Previous references.
15-7-09

1910-11
(Gen Min)

File No. 149-10

Serial Nos. 1-4

Later references.
for 147-11 of 1-6.

GENERAL AND REVENUE SECRETARIAT.

1

Serial Nos.

Part B. for January 1911

SUBJECT.

Review of the Pw adm Report for 1909-10

Sl 1] From the Chief Engineer No 9130 of 29.10.10. Forwards the above Report of the PW Deptt for 1909-10. &c.

Sl 2] From the same No 9853 of 9.11.10. Transmits the third copy of the above report

Sl 3] To the Super Govt Press No 2960 of 14.11.10. For the above report for Print

Sl 4] To the Chf Engr, Rev Comr, D.Cs of Dts No 4202-11 of 19-1 Reviews the PW Deptt Report for 09-10 —

G.R.S. 11] 190-11

GENERAL AND REVENUE SECRETARIAT.

(Gen Rise.)

NOTES.

File No. 169

FILE HEADING.

Administration Report of the Rev. Dept for 1909-10

From

The Chief Engineer

No. 9130 Dated 29-10-10 Received

Diary No. 1963 | Enclos. 2 | Spare Copies. — | Serial No. 1

BRIEF ABSTRACT OF LETTER.

Forwards the admn report of the Rev. Dept for 1909-10 in duplicate & states that a third copy of it has been sent to the Comptroller for verification of figures &c. & will be communicated on its return.

NOTES AND ORDERS.

Submd.
10
8-11-10.

NOTES—First sheet.

GPE--30,000—20-3-06.

Serial No.	
2	From the Chief Engr. No. 7355 Q-9 11 dt. Transmits the triplicate copy of the Report with the figures verified by the Comptroller. Draft docket forwarding the Report to the Press for being printed is put up for approval. After it is issued the file will be resubmitted, as a draft review of the Report has to be prepared. 10-11-10 VS Issue draft. The file may be sent to Mr. D. G. Rama Iyer for kindly preparing a draft Review. ×Last year's file and any other papers he may require, may be put up for guidance. 10/11/10 (×already put up)
3	To the Superintendent, Govt Press No. G 2960. d. 14th. Nov 1910 Forwarding the Administration Report of the P.W. Dept for 1909-10, requests him to set it in type & Strike off 275 copies & keep them ready to be bound up with the Govt. Review to follow.

NOTE—Contn. sheet.

BPG—55,000—27-4-09

G. R. S. 12]
General and Revenue Secretariat.

2

Gen File No. 149 of 1910-11

Serial No.

2064/1

3. No. G 2961. d. 14.11.10
Fwd - copy of the above to the Chief Engineer.

Draft review put up.
J.C.R.
24.11.10

Please put up fair draft (typed.)
Typed
Fair Draft Subd.
VS. 41
30/11/10 Secretary).
bz
28/11/10
bm
1/12/10

9062
5.12.10
9.
10

Dewan
CB
5/12/10
bm

~~The Alternative draft received to-day~~
The revised type-written draft herein put up may be approved.
Please circulate to Councillors.
15 Dec

Circulate
Mr
Mr
May be approved
Mr
KVR

1758
21.12.10

NOTE—Contn. sheet.

SPG—55,000—27-4-09

5 C. 152
09. 12. 10.

GENERAL AND REVENUE SECRETARIAT.

COUNCIL MATTER.

SUBJECT.

Administration Report of the Public Works Department for the year 1909-10, with draft review.

CIRCULATED TO COUNCILLORS.

BY ORDER,

17th Decbr 1910.

C S Balasundaramayya
Offg. *Secretary to Government.*

K. P. PUTTANNA CHETTY, ESQ.,
FIRST COUNCILLOR

188. H. V. NANJUNDAYYA, ESQ., M.A., M.L.
SECOND COUNCILLOR.

GBPM—9-6-10—300

b

b

G.R.S. 15]

Facing sheet for Cases included in the schedule appended to Notification No. 36 of the 8th Aug. 1902.

GENERAL AND REVENUE SECRETARIAT

SUBJECT

Administration Report of the Public Works Department for the year 1909-10, with draft revie

	Date	Initial of Officer himself or responsible Deputy
Received in the Secretariat		
Submitted to Secretary		
Submitted by Secretary to Dewan or Councillor in charge		
Returned to Secretary		
Circulated by Secretary for Council ...	16. 12. 10.	
Forwarded by Councillor		
Forwarded by Councillor		
Received in Secretariat		
Considered in Council		
Submitted to the Dewan		
Submitted to His Highness		
Orders passed by His Highness		
Final Orders issued		
Circulated to Councillors		
Passed on by the Councillor ...		
Returned to Secretary by Councillor		

GBPM—8-6-1910—300

7

Submitted to His Highness

"Paper under disposal"

I submit herewith the annual administrat report of the P.W. Department for the year 1909-10 together with a draft review, which may be approved.

"draft for approval"

kc.

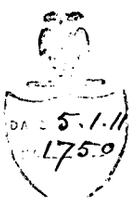
F. Brandreth
4 Jan 11

8

Record of Cases submitted for the Orders of His Highness the Maharaja

265

Subject.



Administration Report of the P.W.D. for the year 1909-10.

460

Order.

Approved

~~KRW~~

10/1/11

Secy

11/1/11

Issue

13/1/11

16/1/11

13/1/11

13/1/11

9

G. R. S. 12.]
General and Revenue Secretariat.

Gm File No. 149 of 1910-11

Serial No. 4.

To the Chief Engineer
Rev Comr
Dep of Dists

No G. 4202-4211 d. 19
Revisions No. Report rep

Wee B

D 1943 10

Mysore P.W Department,

Central Office,

No. 9130 Dated Bangalore, 29th October 1910.

From, Enc 2

M. Visvesvaraya Esqr.,M.I.C.E.,
Chief Engineer of Mysore,
BANGALORE.

Sm 149-10
Sl 1

To,

C. S. Balasundaram Iyer Esqr.,B.A.,
Offg. Secretary to the Government
of His Highness the Maharaja of Mysore,
BANGALORE.

Sir,

I have the honor to forward the accompanying type copy of the Administration Report of the Public Works Department for the year 1909-10 in duplicate. The triplicate copy of the report has been sent to the Comptroller, P.W. Branch, for verification of figures and filling in of certain - - - omissions therein; and on its return by that officer it will be transmitted to you.

2. As usual, 100 printed copies of the Administration Report may be supplied to this office to meet the requirements of the Department.

I have the honor to be
Sir.
Your most obedient servant

for Chief Engineer of Mysore.

HM

No V

No. 1910. Dated 1943.

MYSORE PUBLIC WORKS DEPARTMENT

No 9130 from 31/10/09

From,

The Chief Engineer of Mysore

Bangalore.

To,

The Secretary to the Govt.,
Genl. & Rev. Departments.

Bangalore

Subject:—

Forwarding in duplicate the Administration Report of the Public Works Department for the year 1909-10.

11

ADMINISTRATION REPORT

of the

PUBLIC WORKS DEPARTMENT

of the

MYSORE STATE

for the year

1909-10.

12

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ADMINISTRATION REPORT
OF THE
MYSORE PUBLIC WORKS DEPARTMENT
FOR THE YEAR 1909-10.

GENERAL.

The final grant for the year under all heads amounted to Rs.36,72,962 against which an outlay of Rs.34,98,896 was incurred including a suspense debit of Rs.11,342 under the Provincial Fund. The net lapse was thus Rs.1,74,066 or 4.7 per cent.

2. In addition to the above, an outlay of Rs.2,61,[illegible]0 was incurred from Contributions. The total expenditure of the Department during 1909-10 amounted to Rs.37,60,[illegible]56 against Rs.37,37,821 in the previous year. This is exclusive of the charges relating to the Cauvery Power Scheme for which a separate report is submitted this year. The difference is small and calls for no remark.

PROVINCIAL FUND.

3. The modified grant under this head stood at Rs. 36,87,021 against which an outlay of Rs.27,02,066 was incurred including a suspense debit of Rs.11,342. The lapse of Rs.1,85,055 was due to the following items or causes:-

(1) Rs. 19,000 in the grant of Rs.1,00,000 allotted to the Revenue Department for the "Minor Tanks Restoration Scheme". Here the

half the lapse occurred in the Tumkur District and is attributed to water in the tanks not receding sufficiently early to permit of work being done.

(2) Rs.7,000 out of Rs.20,000 granted to Civil Officers for petty repairs or works in connection with buildings in their charge. This is made up of small lapses in the case of almost every officer.

(3) Rs.8,000 out of the allotment of Rs.12,000 made for special repairs to the Madras-Cannanore, the Bangalore-Mangalore and the Periapatna-Siddapur roads in the Mysore Division. This was due to the very late sanction of the estimates for the works.

(4) Rs. 6,000 provided for the purchase of a bungalow in the Mysore City owing to late receipt of advice of payment from the Civil Officer concerned.

(5) Rs.20,000 on the reconstruction of the Palace at Mysore, due to the late receipt of the materials for the electric lighting installation ordered from abroad.

(6) Rs.5,000 on the construction of the marble canopy for His Highness the late Maharaja's statue at Mysore, due to quarrying operations at Makrana being retarded.

(7) Rs.89,000 under "Establishment". Of this, Rs.37,8[illegible] represents the cost of the general P.W.establishment employed on the Cauvery Power Sch[illegible]

between 1900-01 and 1903-04 which was transferred to the Electrical Department during 1909-10 in pursuance of the new system of commercial accounts recently introduced for the Cauvery Power Scheme; Rs. 5,292 pertains to the debit made to Contribution works at the end of the year; and the balance of about Rs.1o,000 is due to the savings effected on the grant for the year.

(b) Rs.6,000 under "Tools and Plant", mainly due to savings on the amount assigned for the purpose.

(9) Rs.4[illegible],000 from the sums allotted to works or for items of minor importance. This was due to various causes, such as savings on estimates and delay in starting works pending settlement of the question of design and site for works, acquisition of properties required, recovery of contributions, &c.

4. The classification of the expenditure of Rs. 27,02,036 referred to above is given in the Appendix.

ORIGINAL WORKS.

31. Irrigation Major Works.

5. During the year 113 works of this class (i.e., works costing Rs.2,500 and above) were in progress; and the expenditure incurred on them was Rs.3,60,827, viz., Rs. 1,86,019 on channels and Rs.1,74,808 on tanks. The progress on the more important works is given below.

(1) Channels.

6. The Marikanave project, Hiriyur Taluk.- The work as originally estimated was practically completed during the year. Only the final grading of the irrigation channels remained and it could not be done as the supply of water for cultivation had to be maintained without interruption through the year.

	Works	Establishment	Tools and plant	Total
	Rs.	Rs.	Rs.	Rs.
Estimate	3684965	564000	218243	4467211
Year's outlay	126166	35754	2883	164825
Total outlay	3607098	563834	207868	4378800

During the year, the tank received a supply of 10,800 units, the average rainfall in the catchment being 22.48 inches. The area irrigated was 7,032 acres and the revenue derived Rs.27,285.

Even allowing for the fact that the work is yet young and undeveloped, the year's results give small promise that in its present condition the project will ever pay a reasonable return on the large capital outlay incurred on it. The annual replenishment in the lake ha fallen short of the original expectation. The concentration of irrigation in the area commanded is rendering the land swampy, insanitary and infertile. Investigations and surveys are in progress to consider what further measures are necessary to remedy the evils noticed and to obtain the maximum results possible under the conditions of this reservoir.

7. Closing the breach in the Krishnarajkatte anikat, Arkalgud Taluk.- The work was started in March 1910 and satisfactorily completed by the end of May 1910 with large savings on the sanctioned estimate. Water has since been admitted into the channels and irrigation restored to about 5,000 acres of rice land dependent on them.

	Rs.
Estimate.....	60,000
Year's outlay...	43,214
Total outlay....	43,214

8. Restoring Kittur anikat and channels, Belur Taluk. This work on which very little remained to be done was finally completed and the accounts were closed during the year.

	Rs.
Estimate.....	22,051
Year's outlay.....	642
Total outlay.....	21,776

9. Improving the north channel from Sriramadevar dam, Hassan District.- The few small items which remained over were carried out and the work completed during

	Rs.
Estimate.....	95,531
Year's outl y....	3,585
Total outlay....	78,877

the year with large savings on the sanctioned estimate.

10. Improving Devaroy channel, Mysore district.- Work almost completed. Only the construction of a few sluices remains.

	Rs.
Estimate.....	28,279
Year's outlay.....	2,707
Total outlay	28,906

(ii) Tanks.

11. Restoring Ramasagara tank, Bowringpet Taluk.- A completed work. The claims of the contractor were settled and accounts closed during the year.

	Rs.
Estimate.....	2,44,489
Year's outlay....	2,263
Total outlay.....	2,42,508

12. Restoring the slipped portion of the bund of Ramasagara tank, Bowringpet Taluk.- The slip in the earthen ~~bund~~ dam of this ~~work~~ tank was after close examination found to be due to the foundations at the rear of the dam having been entirely made of black soil and the absence of drainage towards the rear toe. The estimate sanctioned for the reconstruction of the dam provides for a rear casing of porous material. Good progress was made during the year on the work.

	Rs.
Estimate.....	94,217
Year's outlay.....	57,894
Total outlay.....	61,179

13. Restoring the irrigation channels of Ramasagara tank, Bowringpet Taluk.- Work in progress.

	Rs.
Estimate.....	28,471
Year's outlay....	3,916
Total outlay.....	23,751

14. Constructing a new tank at Sowlunga, Honnali Taluk.- The tank portion of the work was completed.

	Rs.
Estimate	1,38,888
Year's outlay	2,570
Total outlay	1,17,869

There remain only the irrigation channels which are kept in abeyance for further consideration.

32. Irrigation Minor Works.

15. Works costing less than Rs.2,500 are classed under this head. The outlay on these amounted to Rs.28,206, of which Rs.3,929 were incurred on clearance and Rs. 24,277 on tanks.

33 A. Civil Works.

CIVIL BUILDINGS.

16. The expenditure under this head amounted to Rs.6,64,873 and its distribution by departmental heads was as follows:- Forest, Rs.14,350; Administration, Rs. 84,545; Minor Departments, Rs.1,749; Education, Rs. 1,83,917; Law and Justice, Rs.6,311; Jails, Rs.4,436; Police, Rs.4,240; Medical, Rs.61,509; Palace, Rs.2,10,206; Miscellaneous, Rs.45,550. The following were the more important works in progress during the year:

(i) Forest.

17. Constructing a new Sandal Koti at Shimoga.- Work was started during the year and fair progress made chiefly in the collection of materials.

	Rs.
Estimate	38,500
Year's outlay	14,330
Total outlay	14,330

(ii) Administration.

18. Providing record racks in the General and Revenue Secretariat of the Public Offices at Bangalore.- Work practically completed.

	Rs.
Estimate.....	21,988
Year's outlay.....	3,063
Total outlay.....	22,041

(iii) Educational.

19. Constructing Physics Laboratory and Lecture Rooms at the Central College at Bangalore.- Work was completed with the exception of the tower and some sundry items.

	Rs.
Estimate.....1,	20,850
Year's outlay....	98,417
Total outlay	98,417

20. Constructing a new High School at Bangalore.- An estimate for this work has been sanctioned provisionally pending revision of the design for the frontage. Collection of materials was in hand during the year.

	Rs.
Estimate.....1,	10,040
Year's outlay....	28,422
Total outlay....	28,422

21. Constructing Chamarajendra Technical Institute at Mysore.-Actual work was started only during the year and carried out up to basement level. The total outlay includes compensation paid during the year 1908-09.

	Rs.
Estimate.....2,	35,254
Year's outlay...	22,237
Total outlay.....	60,305

(iv) Law and Justice.

22. Constructing quarters for the Special Magistrate at the Kolar Gold fields.- Work completed and accounts closed.

	Rs.
Estimate	23,913
Year's outlay..	3,038
Total outlay...	25,180

(v) Medical.

23. Constructing Opthalmic Hospital at Bangalore.- Work was started during the year. A short length of the fort wall was dismantled and some materials collected.

	Rs.
Estimate.....	2,30,830
Year's outlay	36,740
Total outlay...	36,740

(vi) Palace.

24. The reconstruction of the Palace at Mysore.- This work is practically completed. Some minor items, such as, the fixing of the brass elephant gate, the completion of two verandahs in front of the study room on the second floor, some decoration, panelling of north stair case and the fixing of the Kalasams remained incomplete towards the close of the year.

	Rs.
Estimate.....	37,87,000
Year's outlay...	2,56,229
Total outlay....	37,64,391

25. Fireprotection to the Palace at Mysore.- Some small items connected with the outside fire main were carried out during the year. A revised estimate is under preparation.

	Rs.
Estimate.....	1,09,000
Year's outlay....	2,057
Total outlay..	1,19,798

(vii) Miscellaneous.

26. Constructing additional quarters for officials at Kallurkatte.- A completed work. The contractor's claims were settled and accounts closed.

	Rs.
Estimate.....	20,013
Year's outlay....	1,460
Total outlay....	19,952

Communications.

27. The outlay under this head amounted to Rs.55,609 of which Rs.38,200 were incurred on roads, Rs.10,374 on erection of Telephone lines, Rs.6,635 on accommodation for travellers and Rs.400 on boat-bridges and ferries. The Cuddapa Road Railway feeder in the Kolar District and the Balehonnur-Hagundi-Balur road in the Kadur District were each extended by half a mile on account of certain deviations made thereon. The more important works in hand were the following:

28. Extending Avinhalli-Korur road from the Hurli stream to the head of the ghat at Kogaru, Chikmagalur taluk.

	Rs.	
Estimate	44,218	Work practically completed.
Year's outlay....	1,468	
Total outlay...	42,357	Some small items were in progress.

29. Opening out a bridle path along the trace of the extension of the Talguppa-Aralgode road from the head of ghat to the Mysore Frontier, Shimoga District.- Work in progress. 8 miles of roadway were formed during the year.

	Rs.
Estimate	26,216
Year's outlay	7,798
Total outlay	8,076

30. Widening Kotigehar-Kalasa road, Kadur District.- Work completed.

	Rs.
Estimate	50,623
Year's outlay	6,253
Total outlay	50,280

Miscellaneous Public Improvements.

31. The outlay under this head amounted to Rs.1,[illegible],72 Of this, Rs.37,454 were incurred on improvements of towns Rs.74,480 on water supply, Rs.48,851 on sewerage and drainage and Rs.28,939 on miscellaneous items. The more important works carried out are noted below.

(i) Improvements of Towns.

32. The laying out and drainage of the Malleswaram Extension of the Bangalore City.- Work in progress. A few roads were opened out and some drains were constructed during the year.

	Rs.
Estimate	3,97,544
Year's outlay	10,146
Total outlay	2,77,922

33. The laying out and drainage of the Basavangudi Extension of the Bangalore City.- Work in progress.

	Rs.
Estimate.....	6,57,866
Year's outlay....	21,339
Total outlay.....	4,99,104

During the year some roads were widened and metalled and drains constructed in certain blocks.

34. The laying out of the new extensions in the Shimoga Town.- The roads in three of the extensions were opened out and further operations stopped in view to revise the proposals and improve the drainage of the old town.

	Rs.
Estimate.....	66,100
Year's outlay.....	9,366
Total outlay.....	15,333

(ii) Water-supply.

35. Erecting Jewell Filters at Yeswantapur for the water supply of the City and the Civil and Military Station of Bangalore.- Work completed and service commenced from November 1909. Accounts will be closed after final payment is made to the Jewell Filter Company.

	Rs.
Estimate.....	2,29,131
Year's outlay...	94,555
Total outlay.....	2,00,233

36. Water supply to Shimoga Town.- Work practically completed with the exception of one balancing tank.

	Rs.
Estimate.....	65,592
Year's outlay....	32,651
Total outlay.....	52,746

37. Metering house connections in the Mysore City.-

	Rs.
Estimate.....	23,926
Year's outlay.....	9,984
Total outlay.....	17,306

Work in progress. 120 meters were fixed during the year, chiefly for bungalows and houses having large gardens.

(iii) Sewerage and Drainage.

38. Constructing Main Outfall works for the Bangalore City Drainage.- Work in progress. The Sunakal tank bund was breached and the tank emptied.

	Rs.
Estimate.....	77,711
Year's outlay.....	15,641
Total outlay....	46,623

39. Drainage of the Chamarajendrapet Extension of the Bangalore City.- Work in progress. Some lengths of open drains, pipe sewers and storm water drains were carried out during the year, a few insanitary pits were filled up and one septic tank constructed.

	Rs.
Estimate.....	1,61,461
Year's outlay...	17,021
Total outlay.....	1,40,337

(iv) Miscellaneous.

40. Constructing the Memorial Works of His Highness the late Maharaja at Calcutta.- Works completed with the exception of wrought iron fencing.

	Rs.
Estimate	1,34,700
Year's outlay.....	1,560
Total outlay.....	1,32,542

41. Constructing marble stone canopy over the new statue of His Highness the late Maharaja at Mysore.- The

	Rs.
Estimate.....	75,200
Year's outlay.....	4,130
Total outlay.....	10,972

structure was brought up to the level of platform to receive the statue and columns of the canopy.

33 B. Military Works.

42. Under this head an outlay of Rs.8,272 was incurred chiefly in adding to the accommodation for troops. There were no works of special importance in hand under this head.

REPAIRS.

32. Irrigation Minor Works.

Minor Tanks Restoration Scheme.

43. Under this head, an expenditure of Rs.80,559 was incurred on stone and masonry work executed on the minor tanks (i.e., tanks yielding a revenue of Rs.300 or less) under the supervision of Revenue Officers, against the sanctioned grant of one lakh. The result of the operations during the year in the several districts, including the earthwork carried out by ryots under the scheme, is abstracted from the reports received from the Deputy Commissioners and tabulated below:

Districts	Earthwork carried out by, or at cost of, ryots.			Stone and masonry work carried out at Government cost.			Cost of special establishment employed under the scheme.
	Number of tanks dealt with.	Quantity of work done.	Value of work done.	Grant.	Outlay.	Number of tanks completed.	
	No.	Cyds.	Rs.	Rs.	Rs.	No.	Rs.
Bangalore	86	35613	4641	11306	11097	38	5,541
Kolar	226	251056	31382	29209	30041	57	4,765
Tumkur	115	117784	14723	27353	16694	52	4,422
Chitaldrug	120	79549	10270	3808	4159	10	3,993
Mysore	122	115588	15086	10531	9612	22	6,351
Hassan	187	83968	10603	8191	3658	14	4,188
Shimoga	123	43984	6146	6565	2002	7	3,701
Kadur	21	14741	2073	4967	3296	0	2,124
Total	1009	742283	94926	100000	80559	209	35,085

44. The total value of both earthwork and stone and masonry work carried out during the year aggregated Rs.1,75,483. The cost of establishment employed for this specific purpose (viz., Rs.35,085) works out to 20 per cent on the total value of work done. If the ryots' portion of the work which is mostly carried out under the supervision of the Patels and other Revenue officials be excluded, the percentage on the Government portion of work carried out by the special establishment referred to would be 43.6.

45. The Kolar District maintained its usual prestige by topping the list and the progress made on both ryots' and Government share of work was very satisfactory. The work turned out in the Tumkur District was also good, though a large portion of the grant for stone and masonry work was allowed to lapse. The progress in the Mysore and Bangalore Districts may on the whole be considered fair. In the Chitaldrug District, the normal progress has been maintained. There has been a decline in the work done in the Hassan District both as regards ryots' and Government share of work, and this is attributed chiefly to most of the tanks being full on account of copious rainfall. There was no improvement in the Shimoga and Kadur Districts where the scheme has all along been backward.

46. The question of the revision and confirmation of the Maramat Establishment employed on the schemes is again urged by Deputy Commissioners. The Revenue Commissioner's report on the subject has been received and the matter will now be submitted to Government.

33 A. Civil Works.

Civil Buildings.

47. The expenditure under this head amounted to Rs.1,37,020 including the sum of Rs.17,033 spent by the Civil Officers on petty repairs to buildings in their charge. The classification of the above outlay by main heads was as follows:- Forest, Rs.1,125; Administration, Rs.44,039; Minor Departments, Rs.4,983; Educational, Rs.6,505; Religious, Rs.1,166; Law and Justice, Rs.1,127; Jails, Rs.3,875; Police, Rs. 6,769; Medical, Rs.15,[illegible]; Miscellaneous, Rs. 41,429.

48. There were no works of importance in hand under this head during the year. Buildings of archaeological interest were generally maintained in good order.

Communications.

49. The outlay under this head amounted to Rs.4,81,[illegible] of which Rs.4,35,229 were incurred on the annual maintenance and special repairs of the Provincial main and branch roads, Rs. 344 on repairs to boat-bridges and ferries, Rs.12,814 on repairs of 1st and 2nd class Travellers' Bungalows, and Rs.3,482 on the maintenance of Telephone lines in the Bangalore and Mysore Cities.

50. During the year, the 16½ miles of municipal roads in the Bangalore City which were hitherto maintained from a State grant of Rs.6,600 were transferred to the Municipality, the grant having been ordered to be

discontinued in G.O.No.12635-44/M1 371-08-2 dated the 16th June 1909; and 14¼ miles of roads as per details in the margin were added to the list of roads in the Shimoga District. The total length of provincial roads maintained during the year was 1,967 miles of which 1,788 miles were metalled. The average cost of maintaining these roads was Rs.221 per mile. Every effort was made to maintain the roads in efficient condition so far as funds permitted. Owing to increase of traffic of late, the trunk road leading from Mysore to Merkara showed signs of deterioration and special repairs were found to be necessary. For this purpose, special estimates aggregating Rs.35,500 were sanctioned and collection of materials started during the year. Other important roads which were specially dealt with were the Mysore-Hanantoddy road in the Mysore District, the Bangalore-Honnavar road in the Shimoga District and the Kadur-Mangalore road in the Kadur District. Work on these was completed during the year. It is proposed to increase the mileage allotments of some of the important lines of communication from the next official year.

Miles	
1. Shimoga-Mangalore road-	¼ Actual length in excess of that hitherto maintained.
2. Tolguppa-Araigode road-	12 Bridle path from Heddonsi to that head newly opened.
3. Gersoppa Falls road-	2 Transferred from District Funds.
	14¼

Miscellaneous Public Improvements.

51. The expenditure under this head amounted to Rs. 1,75,615, viz., Rs.1,74,433 under maintenance of water supply works, Rs.1,865 under markets and Rs.1,317 under miscellaneous. The bulk of this expenditure was incurred on the following works:-

52. Maintenance of the Chamarajendra Water Works of the Bangalore City.- The total charges on this account amounted to Rs.92,755 including an outlay of Rs.15,066 incurred on the maintenance of the Jewell Filter installation which commenced operation only from November 1930. The charges debitable to the Civil and Military Station amounted to Rs.10,807.

The engines, pumps, pipe lines, taps and fountains were maintained in efficient order. During the year gun metal plungers and thimbles for No. II Engine and spare parts for renewal of other machinery were purchased.

371,855,000 gallons of water were pumped during the year. Of this, 16,365,000 gallons were supplied to the Civil and Military Station at 10 annas per 1000 gallons as per requisition from the Assistant Commanding Royal Engineer, Military Works.

18.365
9182
229

The actual quantity supplied to the City was therefore 356,469,350 gallons and it represents an average consumption of 964,404 gallons per day. The average cost of pumping, &c., came to nearly 4 annas per 1000 gallons.

The Chamarajendra Reservoir discharged during August 1905, the total rainfall gauged in its catchment during the year being about 30.22 inches. The quality of the filtered water, as per reports received from the Government Bacteriologist, was satisfactory.

The number of house connections given in the City as well as in the Extensions amounted to 734 at the end of June 1910, while the bills issued on account of excess water consumption aggregated Rs.6,767 or Rs.1,125 more than that of the previous year. A special Meter Inspector for the efficient checking of the meters was appointed during the year.

53. Maintenance of the Kolar Gold Fields Water Works.— The expenditure on this account amounted to Rs.87,361 or Rs.3,694 more than that of the previous year. The quantity of water pumped was 366,619,724 gallons. Of this quantity 364,652,000 gallons were supplied to the various Mines under the management of Messrs.John Taylor and Sons and 1,967,724 gallons to other consumers. The demand for the year on account of the above supply was Rs.2,96,117; and setting off against this, the actual working expenses (Rs. 87,361), the net revenue earned by the scheme was Rs.2,08,756 which is less than that of the previous year by Rs.57,418. This is due to reduction in the rate for the water supplied to the Mines from

15 to 10 annas per 1000 gallons with effect from 3rd February 1910 according to the agreement with the Mini Companies

The cost of pumping and delivering 1000 gallons at the Gold Fields works out to nearly 3 annas and 10 pies. The rainfall during the year in the catchment ar of Bethamangala tank was only 20.66 inches and the tank discharged for 11 days only in October and November 19(The machinery and plant were maintained in efficient conditi....

33 B. Military Works.

54. An expenditure of Rs.5,412 was incurred under this head, viz., Rs.3,934 by the Military Department on petty repairs of Military buildings, &c., and Rs.1,478 by the Public Works Department chiefly on the repairs of the old Silledar Lines and Military Stores at Bangalore.

LOCAL FUNDS GENERAL.

55. The modified grant under this head was Rs.33,630 against which an outlay of Rs.30,057 was incurred, viz., Rs.25,554 under Works, Rs.4,378 under Establishment and Rs. 125 under Tools and Plant. The ~~lapse~~ less expenditure Rs. 3,573, was chiefly due to small lapses on the grants for several works and particularly on that for the Tungabhadra bridge at Honnali which was sanctioned only in June 1910.

56. Of the outlay under Works, Rs.2,850 ~~was~~ were incurred on the construction of a building for the Industrial School at Channapatna, and the balance, Rs.22,704, on the opening and improvement of roads and construction of bridges. The more important works in progress were the following:

57. Opening the last section of Punjur-Bedaguli-Kondrabal- Chamrajnagar road, Mysore District.- This work was started during the year and some materials were collected.

	Rs.
Estimate.....	25,976
Year's outlay....	1,864
Total outlay.....	1,864

58. Improving the Bislechat on Sukravarsante-Subramanya road, Hassan District.- This work was completed during the year with savings on the sanctioned estimate.

	Rs.
Estimate.....	1,17,520
Year's outlay.....	15,179
Total outlay.....	1,09,167

59. Constructing bridge across the Tungabhadra river at Honnali on Shimoga-Harihar road, Shimoga District.- This work was started during the year and arrangements made for collection of materials.

	Rs.
Estimate.....	2,64,893
Year's outlay....	151
Total outlay.....	151

DISTRICT FUNDS.

60. The total modified grant under this head amounted to Rs.3,65,433 against which an expenditure of Rs. 3,67,323 was incurred, resulting in an excess outlay of Rs. 1,890. The grant and outlay under the several Districts or Local Fund circles are given below:-

District or Local Fund ~~General~~ Local.	Grant.	Outlay	Difference
	Rs.	Rs.	Rs.
Bangalore	47,498	49,154	+1,656
Kolar, including Gold Fields.	44,125	46,972	+2,847
Tumkur	44,932	44,859	—73
Chitaldrug	24,515	25,462	+947
Mysore	75,100	71,151	—3,949
Hassan	47,892	49,862	+1,970
Shimoga	53,363	52,439	—924
Kadur	28,008	27,404	—604
Total	3,65,433	3,67,323	+1,890

61. The excesses in the Hassan, Kolar and Chitaldrug Districts have been authorized in the marginally noted Government orders to be admitted in the accounts. The excess in the Bangalore District has been reported in this office No.8147 dated the 20th September 1910. The lapse in the Mysore District was due to the tunnel works on the French Rock Station-Nelligere, the Narsipur-Chamrajnagar and the Tagadur roads not having been started either for want of sanction to estimates or on account of late sanction. The lapses in the Shimoga, Kadur and Tumkur districts were small and call for no special remarks. The classification of the outlay under this fund by service heads is given in the Appendix.

(1) G.O.No.371-4/L.B.359-09-2 dated the 15th July 1910.

(2) G.O.No.584-7/L.B.1-10-2 dated the 20th July 1910.

(3) G.O.No.836-9/L.B.215-09-7 dated the 25th July 1910.

62. Original Works.- The outlay under this head was Rs.32,970, viz., Rs.32,239 under "Communications" and Rs.731 under "Miscellaneous Public Improvements". Of the outlay under "Communications", Rs.27,206 were incurred on improvement of bridges and roads, Rs.1,069 on ferries and Rs.3,964 on accommodation for travellers. The Channapatna-Halagur road in the Bangalore District was extended by one mile.

63. The expenditure under "Miscellaneous Public Improvements" was incurred on the drainage and water supply of Robertsonpet town in the Kolar Gold Fields.

64. The only important work in hand was the construction of the Sorab-Anavatti road in the Shimoga District estimated to cost Rs.22,360 against which an outlay of Rs.15,608 has been incurred to end of June 1910. The road has been ~~completed~~ to the full length of 10½ miles and tunnels only remain to be constructed.

65. Repairs.- The expenditure under this head amounted to Rs.2,79,216, viz., Rs. 2,72,707 under "Communications" and Rs.6,509 under "Miscellaneous Public Improvements".

66. Of the outlay under the former service head, (1) Rs. 2,63,728 were incurred on the annual maintenance and special repairs of District roads, (2) Rs.8,523 on the maintenance of 3rd class Travellers' Bungalows, Inspection Lodges and Musafirkhanas and (3) Rs. 456 on repairs to ferries. The total length of roads of this class maintained by the P.W.Department was 3,502 miles, of which 1,064 miles were metalled. During the year the Chellakere-Pavagada road in Tumkur District was

re-measured and the 2 miles of the Gersoppa Falls road in Shimoga District were transferred to Provincial Funds for maintenance. The average cost of maintenance was Rs.75 per mile as against Rs.77 in the previous year. The roads are reported to have been maintained in a fair -ly trafficable condition.

67. The expenditure of Rs.6,509 under "Miscellaneous Public Improvements" was incurred on the maintenance of water supply to the town of Robertsonpet and repairing the Devikere tank on Chamundi Hill.

MUNICIPAL FUNDS.

68. The grants sanctioned under these funds from time to time amounted to Rs.[illegible],100 against which an outlay of Rs.86,233 was incurred, resulting in an excess of Rs.65,133. This includes a sum of Rs.5,059 spent on improving the Cantonment at Chitaldrug and sinking a draw well and improving water supply at Arsikere, authorised to be admitted in the accounts in the marginally noted

G.O. No.[illegible] dated the 11th February 1910.
G.O. No.[illegible] dated the 21st July 1910.
G.O. No.[illegible] dated the 21st July 1910.

Government orders; also Rs. 43,519 ~~being~~ the charge debited by the Electrical Department on account of power supplied to the pumping engines of the Vaniviles Water Works during the year under report. This debit has been provisionally accepted pending definite

orders of Government as to the incidence of the charge, as intimated in General and Revenue Secretary's letter No.1635/Fl. 421-07 dated the 17th August 1910. The orders of Government on the application made for the transfer of funds to the extent of Rs.7,633 for the marginally noted works are still awaited, while the expenditure of Rs.6,242 incurred on the electrification of the pumping plant at Belagola could not be covered by a special grant pending the submission of, and sanction to, the revised estimate called for from the Executive Engineer. The sanctioned provision under Establishment had also to be exceeded on this account.

1.	Laying out new extension between Chamarajendrapet and Basavangudi, Bangalore City.
2.	Working charges of low lift pump at Belagola.
3.	Maintenance of water works of Harihar town.

69. The classification of the outlay of Rs.36,[illegible] is given in the Appendix. The following were the more important works in hand.

70. The laying out of the new extension between Chamarajendrapet and Basavangudi in the Bangalore City.- This work which had been stopped pending sanction to the revised estimate was re-started in May 1910; hence the progress was small.

	Rs.
Estimate.....	61,621
Year's outlay.....	2,548
Total outlay.....	47,985

71. Electrifying the pumping plant of the Vanivilas Water Works of the Mysore City at Belagola.- This work has been practically completed and the revised estimate providing for the excess will be sent up to Government shortly.

	Rs.
Estimate.....	50,000
year's outlay....	6,242
Total outlay.....	54,252

72. Maintenance of the Vanivilas Water Works of the Mysore City.- The charges on this account amounted to Rs.60,534 as noted in the margin. The three induction motors installed at Belagola works for 15 hours a day. The average daily consumption in the City was 876,000 gallons. The quantity of electric power supplied during the year was 696,310 units, and the charge therefor amounted to Rs.43,519 at the rate of one anna per unit, fixed by Government in G.R.S.No.1635/M1 421-07 dated the 17th August 1910.

	Rs.
(1) Ordinary maintenance.....	15,383
(2) Working charges of the low lift pump provided for drawing water from the Vijanadi channel during the time the Devaray channel had been closed for periodical repairs.....	1,610
(3) Working charges of the steam plant at Belagola..	22
(4) Charge for supply of electric power.....	43,519
	60,534

The filters were worked under an improved system, each filter being cleaned and replenished with fresh sand once in 25 days. The pure water tank was cement plastered and minor repairs and alterations to pipe lines were carried out. 32 new house connections were given during the year, which brought the total number of house connections in Mysore City on the 30th June 1910 to 601.

VILLAGE SCHOOL FUND.

73. The total grants sanctioned from this fund amounted to Rs.44,950 against which an outlay of Rs.21,009 was incurred. The lapse was therefore Rs.23,941 including the sum of Rs.5,540 resigned late in June 1910. The lapse was due partly to the late transfer of funds which was not done till January 1910 and partly to the delay in the settlement of designs or sites for new buildings and to other minor causes. The classification of the outlay by service heads is given in the Appendix. The works carried out consisted of the construction and repair of small school buildings in the different parts of the State.

IRRIGATION CESS FUND.

74. The grant under this head was fixed at Rs.2,00,000 and the recorded outlay against it amounted to Rs.1,79,477. The lapse, Rs. 20,523, is made up of small savings which occurred on the numerous works in hand and also due to water in tanks not admitting of work being proceeded with, late sanction of estimates, &c.

75. The classification of the outlay by service heads is given in the Appendix. The expenditure under "Work" was Rs.1,77,522, of which Rs.94,048 were incurred on the repair and maintenance of major tanks and Rs.83,474 on the annual maintenance and special repairs of the river channels in the Mysore and Hassan Districts. ~~Ten irri~~ Ten irrigation works sustained damage during the year and they were promptly attended to.

76. Channel Conservancy.- The total length of the river channels maintained during the year was 942 miles, irrigating 114858 acres of wet and garden lands from which a revenue of Rs. 7,01,397 was realised during the year. The cost of the special conservancy establishment employed for the supervision of these channels was Rs.14,195. This establishment attended as usual to the annual maintenance of the channels under the Public Works Department and to the distribution of water during the irrigation season under the Revenue Department.

77. At the commencement of the last hot weather, the discharge in the Cauvery, the Kabani and the Bhavani rivers ran low owing to the partial failure of the North East monsoon. With a view to maintain the requisite minimum supply to the Cauvery Power Station at Sivasamudram and to regulate that required for sugarcane and other crops under the different channels during the hot weather, a Special Public Works Division was formed as in the previous year, and a sum of Rs.21,600 was spent on raising temporarily the crests of selected anikats and the waste weirs of a few tanks in the valley. The result of the operations was a complete success as they enabled the water supply to the Power Station to be maintained without interruption and ensured a fairly sufficient supply to the standing crops. The cost of the work carried out, viz., Rs. 21,600 , was charged to the Cauvery Power Scheme Budget.

PALACE FUND.

78. The modified grant under this head stood at Rs.90,758 against which an outlay of Rs.82,761 was incurred. The lapse, Rs. 7,997, was due to the electrical fittings ordered for the Bangalore Palace and the contractors' bills for lighting certain Palace Buildings at Mysore not having been received in time for payment, and to certain savings amounting to Rs.2,800 effected on the grants for the electric lighting installation at the Fern Hill Palace and the annual repairs thereto.

79. The classification of the outlay by service heads is given in the Appendix. A sum of Rs.72,829 was expended under original works and the balance, Rs.9,[illegible], on the annual repairs to the Fern Hill Palace at Ootacamund and the maintenance of the Palace kitchen garden and Polo Ground at Bangalore. The principal works in hand during the year were the following.

80. Improvements to the Palace at Bangalore.- In progress. The items yet remaining to be carried out are (1) improvements to drainage, (2) improvements to the cottage and (3) provision of water closets.

	Rs.
Estimate.....	50,341
Year's outlay....	30,572
Total outlay.....	30,572

81. Electric light installation at the Palace at Bangalore.- In progress. The lighting of the Durbar Hall and the compound remain to be completed.

	Rs.
Estimate.....	41,540
Year's outlay....	8,158
Total outlay.....	34,456

82. Electric light installation at the Fern Hill Palace at Ootacamund.- Works completed. Certain items have been put off to be dealt with separately.

	Rs.
Estimate	28,800
Year's outlay	3,145
Total outlay	25,600

CONTRIBUTIONS.

83. The expenditure incurred under this head relates to the works carried out by the Public Works Department from source other than those specified in the Public Works Budget. The total charges amounted to Rs.2,51,240 and its classification by service heads is given in the Appendix. The outlay on works alone amounted to Rs.2,45,702 as detailed below:- Irrigation, Rs.34,734; Civil Buildings, Rs.41,398; Communications, Rs.55; Miscellaneous Public Improvements, Rs. 1,64,141; and Military Works, Rs.376.

84. The expenditure under "Irrigation" was incurred from the money contributions given by the ryots towards the restoration and repairs of tanks.

85. Under " Civil Buildings", the most important work in hand was the construction of the second Maharaja Kumari's Mansion at Mysore, estimated at Rs.3,62,648. This work was practically completed, only the provision of a glass roof to the dome of the main building and the plastering of certain rooms in the Bidadi remain to be done. The year's and total outlay were Rs.22,323 and 3,40,567 respectively. Besides the above, the construction and repairs to several Kuzrai buildings in the State at a cost of Rs.9,251 were carried out. The expenditure incurred under this ~~head~~

head includes also the amount spent during the year on the annual maintenance of Protestant Cemeteries in the State. 86. The expenditure under "Miscellaneous Public Improvements" includes a sum of Rs.20,188 paid by the Government of India towards compensation for lands taken up for the improvements of the catchment area of the Chamarajendra Reservoir and Rs. 80,562 on account of the moiety payable by them towards the cost of the Jewell Filter Installation in connection with the Bangalore water supply. It also includes expenditure incurred from deposits paid by private parties on account of water service connections in the Bangalore and Mysore Cities and on the loan sanctioned to the Shimoga Town Municipality for its water supply, &c.

87. The small outlay under "Military" was incurred on the improvement under repairs to the Sergeant Instructor's Quarters at Saklespur and Chickmagalur.

ESTABLISHMENT.

88. The charges under this head amounted to Rs.5,96,837 against the modified grant of Rs.6,83,000, resulting in a lapse of Rs. 86,163 which was due partly to the transfer of a sum of Rs.67,895 to the Electrical Department and partly to savings effected on the Budget grant vide para 3 ante. Of the expenditure of Rs. 5,96,837 referred to above, Rs. 86,121 were incurred under "Direction", Rs. 4,83,408 under "Construction" and Rs. 27,308 under "Accounts". The distribution of the charges to the several funds in accordance with the standing orders is given in the Appendix, from which it will be seen that the percentage of establishment charges to outlay on works under "Provincial Fund" is 23.1 while

that on total outlay under all funds is 19.3, or 21.5 without taking into account the debit of Rs.67,895 to the Electrical Department. This is considered very satisfactory.

TOOLS AND PLANT.

89. The expenditure under this head amounted to Rs. 48,094, and its classification by subheads is as follows:- Surveying and Mathematical Instruments, Rs. ~~57~~ 2,075 Machinery, Rs. ~~25,751~~ 19,311; Tools and Plant, Rs. ~~10,093~~ 14,430; Office Furniture, Rs. ~~852~~ 505; Camp Equipage, Rs. 429; Repairs and Carriage, Rs. 11,264.

90. This expenditure has been distributed to the several funds as given in the Appendix.

91. In the General Workshop attached to the Water Supply and Stores Division at Bangalore, it is reported that about Rs.20,000 worth of work was turned out during the year. Two portable engines were overhauled and repairs required to the engines, pumps, taps and fountains of the several water supply installations attended to. The question of extending the Workshop and increasing its scope and usefulness is under consideration.

46

GENERAL REMARKS

92. The offices of the Superintending Engineers of the Eastern and Western Circles which were in existence from January 1897 ~~was~~ were ordered to be abolished from 1st November 1909 on the recommendation of the Retrenchment Committee. On a representation that the abolition of the Circles would materially effect the efficiency of the administration, the Government were pleased to sanction, as a tentative measure for one year, the reconstitution of a P.W.Circle of Superintendence under the designation of "Northern Circle", comprising the Districts of Kolar, Tumkur, Chitaldrug, Shimoga, Kadur and Hassan, with effect from the 12th May 1910.

93. As in the previous year, a special Channels Conservancy Division, was also formed as a temporary measure from the 15th January 1910, for the conservation and regulation of the summer supply in the Cauvery, the Kabani and the Hemavathi rivers, in the interests of irrigation in the valley and of the Cauvery Power scheme. This Division has since been converted into the "Cauvery Reservoir Survey Division" with a view to mature a project for a storage reservoir in the Cauvery river valley.

94. The following are the principal changes that occurred in the Engineering Establishment during the year under report:-

After the lamented death of Captain W.H.E.Davies, R.E., Officiating Chief Engineer and Secretary to Government,

which took place on the 30th July 1909, Mr.Y.Srinivasa Rao, B.A., Superintending Engineer, was appointed to officiate as Chief Engineer and Secretary to Government, with effect from 2nd August 1909, pending the appointment of a permanent incumbent.

Mr.M.Visvesvaraya, B.A.,L.C.E.,M.I.C.E., who was appointed Chief Engineer and Secretary to Government, P. W. Department and Railways, assumed charge of that office on the 15th November 1909.

Mr. Y.Srinivasa Rao, B.A., was on relief appointed Deputy Chief Engineer and Under Secretary to Government, P. W. Department and Railways, with effect from 15th November 1909.

Mr. D.Sitarama Rao, Executive Engineer, 1st class, was appointed as Superintending Engineer sub protem and placed in charge of the Northern Circle with effect from 12th May 1910.

Mr. K.Krishna Iyengar, B.A.,L.C.E., Executive Engineer, was transferred to the Central Office as Special Assistant to the Chief Engineer from 3rd January 1910.

Mr. K.Prahlada Rao, Executive Engineer, retired from the service on the 24th April 1910.

95. The operations of the Department have gone on smoothly and the establishment has continued to work to the satisfaction of Government. The officers who were entrusted with special works acquitted themselves very creditably. These were:— Mr. B.Subba Rao and his Assistants who had charge of the Channels Conservancy operations on the Cauvery river; and Mr.V.Aiyasamy Iyer, Executive Engineer, and Mr. T.G.Lakshman Rao, Assistant Engineer, who were employed in closing the breach in the Krishnarajkatte anikat. Mr. V.Rangasawmy Iyengar, Executive Engineer, also deserves special mention for the successful completion, with local labour, of the Jewell Filter installation in connection with the water supply to the Bangalore City and Civil and Military Station.

Bangalore,
29th October 1910.

for Chief Engineer of Mysore.

dix.-

Branch of the Public Works Department during the year 1909-10.

Establishment		Tools and Plant		Total Final Heads		Suspense	Grand Total Expenditure	Percentage which the Charges for establishment bear to the expenditure on works & repairs	Remarks.
Grant	Outlay	Grant	Outlay	Grant	Outlay				
30,630	1,03,737	7,950	3,087	4,99,080	4,67,651	- 2,041	4,65,610	28·7	
61,030	45,007	3,256	14	2,10,286	1,53,786	- 798	1,52,988	41·4	
72,720	3,47,374	39,219	42,053	21,56,286	20,54,136	14,181	20,68,317	20·9	
2,015	1,429	424	8	21,439	15,121		15,121	10·4	
6,395	4,97,547	50,849	45,162	28,87,091	26,90,694	11,342	27,02,036	23·1	
4,988	4,378	142	125	33,630	30,057	...	30,057	17·1	
2,795	53,606	1,508	1,532	3,65,433	3,67,323	...	3,67,323	17·1	
89	1,832	4	52	21,100	86,233	...	86,233	2·2	

Compared MR

Statement showing the expenditure in the Genl

Fund, Major Finance and Service Heads.	Original Works		Repairs		Total Works and Repairs	
	Grant	Outlay	Grant	Outlay	Grant	Outlay
Provincial —						
31. Irrigation major works	3,60,500	3,60,827	...	...	3,60,500	3,60,827
32. Irrigation minor works	46,000	28,206	1,00,000	80,559	1,46,000	1,08,765
33 A. Civil Works.						
Civil Buildings.	7,08,842	6,64,873	1,17,623	1,27,020	8,26,465	7,91,893
Communications.	66,882	55,609	4,58,500	4,51,869	5,25,382	5,07,478
Miscellaneous Public Imprs.	1,96,500	1,89,723	1,76,000	1,75,615	3,72,500	3,65,338
Total Civil Works	9,72,224	9,10,205	7,52,123	7,54,504	17,24,347	16,64,709
33 B. Military Works.	12,000	8,272	7,000	5,412	19,000	13,684
Total Provincial	13,90,724	13,07,510	8,59,123	8,40,475	22,49,847	21,47,985
Local —						
Local Funds-General —						
33 A Civil Works.						
Civil Buildings.	3,000	2,850	...	...	3,000	2,850
Communications.	25,500	22,704	...	...	25,500	22,704
Miscellaneous Public Imprs.	...	...	...	...	...	...
Total Local Funds General	28,500	25,554	...	...	28,500	25,554
District Funds.						
33 A. Civil Works.						
Civil Buildings.	...	...	...	...	...	...
Communications.	38,801	32,239	2,70,601	2,72,707	3,09,402	3,04,946
Miscellaneous Public Imprs.	1,728	731	...	6,509	1,728	7,240
Total District Funds.	40,529	32,970	2,70,601	2,79,216	3,11,130	3,12,186
Municipal Funds. —						
33 A. Civil Works. —						
Civil Buildings.	...	...	11	...	11	...
Communications.	...	...	...	...	...	...
Miscellaneous Public Imprs.	5,052	48,860	15,944	65,489	20,996	84,349
Total Municipal Funds.	5,052	48,860	15,955	65,489	21,007	84,349

General Branch of the Public Works Department during the year 1909-10.

Establishment	Tools & Plant		Total Final Head.		Suspense	Grand Total Expenditure	Percentage which the Charges for establishment bear to the expenditure on Works and Repairs.	Remarks.
Outlay	Grant	Outlay	Grant	Outlay				
3,116	131	89	44,950	21,009		21,009	17·5	
11,859	303	339	79,685	79,948		79,948	17·5	
19,208	572	549	1,50,315	1,29,529	...	1,29,529	17·5	
31,067	875	888	2,30,000	2,09,477	...	2,09,477	17·5	
...	...	...	90,758	82,761	...	82,761	...	
93,998	2,660	2,686	7,85,871	7,96,860	...	7,96,860	13·4	
63	...	3	...	5,875	...	5,875	1·1	
32	...	1	...	33,958	...	33,958	0·1	
5,162	...	240	...	2,10,994	...	2,10,994	2·5	
35	...	2	...	413	...	413	9·3	
5,292	...	246	...	2,51,240	...	2,51,240	2·2	
5,96,837	53,509	48,094	36,72,962	37,38,794	11,342	37,50,136	49·3	

Appendix

Statement showing the expenditure in the

Fund, Major Finance and Service Head	Original Works Grant	Original Works Outlay	Repairs Grant	Repairs Outlay	Total Works & Repairs Grant	Total Works & Repairs Outlay	Ex
Village School Fund.—							
33A Civil Works.—							
Civil Buildings.	38,477	17,639	1,734	165	40,211	17,804	
Communications.	...	...	...	...	...	...	
Miscellaneous Public Imprts.	...	...	...	...	...	...	
Total Village School Fund	38,477	17,639	1,734	165	40,211	17,804	4
Irrigation Cess Fund.—							
31. Irrigation major works	...	...	67,559	67,750	67,559	67,750	11,
32. Irrigation minor works	...	...	1,27,441	1,09,772	1,27,441	1,09,772	22
Total Irrigation Cess Fund	...	...	1,95,000	1,77,522	1,95,000	1,77,522	34
Palace Fund.—							
33A. Civil Works.							
Civil Buildings.	78,460	71,792	12,000	9932	90,460	81,724	
Communications.	...	...	...	...	...	...	
Miscellaneous Public Imprts.	298	1037	...	...	298	1037	
Total Palace Fund	78,758	72,829	12,000	9,932	90,758	82,761	..
Total Local	1,91,316	1,67,852	4,95,290	5,32,324	6,86,606	7,00,176	96,
Contributions.—							
31. Irrigation major works.	...	3,793	...	2,016	...	5,809	.
32. Irrigation minor works.	...	1,984	...	31,941	...	33,925	
33A. Civil Works.—							
Civil Buildings —	...	28,664	...	12,732	...	41,396	
Communications	...	731	...	-676	...	55	
Miscellaneous Public Imprts.	...	153,487	...	10,654	...	164,141	
Total Civil Works.	...	182,882	...	22,710	...	205,592	
33-B Military Works.	...	163	...	213	...	376	
Total Contributions	...	183,822	...	56,880	...	245,702	
Grand Total	15,82,040	16,64,184	13,54,413	14,29,679	29,36,453	30,93,863	1,8

Urgent

No. 9353

Mysore Public Works Department,

Central Office,

Dated Bangalore, 9th November 1910.

From

M.Visvesvaraya,Esqr.,M.I.C.E.,

Chief Engineer of Mysore,

Bangalore,

To

C.S.Balasundaram Iyer,Esqr.,B.A.,

Offg:Secretary to the Government

of His Highness the Maharaja of Mysore,

General and Revenue Departments,

Bangalore.

Sir,

In continuation of this office No.9130 dated the 29th ultimo, I have the honour to forward herewith the triplicate copy of the Administration Report of the Public Works Department for the year 1909-10. The figures have been duly verified and omissions filled in by the Comptroller, P. W. Branch.

I have the honour to be,

Sir,

Your most obedient servant,

For Chief Engineer of Mysore.

V.N.S.

5-2.

G.R.S. 29A]

190

From

Secy. to the Govt. of His Highness the Maharaja of Mysore, Genl. and Rev. Dept.

2064 / 4/11/10

To

The Supdt
Govt Press

Dated

Despatched 14th Nov 1910

Received

General No. G 2960

No. GM-149-10-3

Enclosure No. 1

Has the honour to request that the accompanying Admn Report of the P.W. Dept. for 1909-10 may be set in type and 275 Copies struck off & kept ready to be bound up with the Govt review thereon to follow. The proof may be sent to the Office of the Chief Engr for correction.

2- One hundred Copies of the Report with the review may be sent to the Chief Engr & the remaining Copies forwarded to this Office.

× Supdt Govt Press (encl. no 1 & 2) to be returned

MGCPB—20,000—16-2-05

To P&O 10/11/10 [illegible]

VS 9-7-10.

Forwarded [illegible]

Copy to the Chief Engr
& Secretariat.

Dee.

10/11/00

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17-1-11 3.40pm

53

Proceedings of the Government of His Hi
ness the Maharaja of Mysore.

Read:-

Report on the administratic
the P.W. Department during the year 1
submitted by the Chief Engineer with
letter No.9130 dated the 28th Octobe

****

Order thereon No. G. 4202- 11
Gm 149-10.

Signed by
Mr. B. Ramaswamiah.

Government have perused with
interest the Chief Engineer's report c
working of the P.W.D. during the year
10.

2. With reference to the remarks
para 6 of the report regarding the Mari-
kanave reservoir, Government await ~~with-~~
~~forest~~ the result ~~the outcome~~ of the investigations
set on foot by the Chief Engineer for se
curing the best results possible under
conditions of the Reservoir.

3. The speedy execution of the
of closing the breach in the Krishnara
katte anikat and the success that atte
the measures taken to conserve the wa

supply in the Cauvery during the hot weather are very satisfactory and reflect credit on the officers placed in charge of the works.

4. ~~The~~ An account is given in paras 43 to 46 of the report about the progress of the Minor Tanks Restoration Scheme. ~~is of much interest~~. The ~~small~~ amount of work turned out in the Shimoga and Kadur Districts in 1909-10 has, as in the previous year, been ~~is regrettable~~ regrettably small. In the Maidan and Semi-Malnad parts of these Districts there is still a large number of minor tanks requiring attention, and Government desire to impress on the Deputy Commissioners of these Districts the need for sustained and energetic action in this direction.

5. It is observed that more than one-half of the grant from the Village School Fund for the construction and repair of village school buildings was left unutilised and was allowed to lapse at the end of the year. Government trust, however, that in the current and future years timely steps will be taken for expending the annual grant ~~to the~~

54 2

accordance
~~best advantage~~. with the Sanctioned
programme —

Offg. Secretary to Govt.

15 Dec

To

The Chief Engineer in Mysore.

The Revenue Commissioner in Mysore.

The Deputy Commissioners of Dists.

21/12/10

22/12/10

ADMINISTRATION REPORT OF THE MYSORE PUBLIC WORKS DEPARTMENT FOR THE YEAR 1909-10, WITH THE GOVERNMENT REVIEW THEREON.

Proceedings of the Government of His Highness the Maharaja of Mysore, General (Miscellaneous), dated 19th January 1911.

READ—

Report on the Administration of the Public Works Department during the year 1909-10, submitted by the Chief Engineer with his letter No. 9130, dated the 28th October 1910.

No. G. 4202-11—G. M. 149-10-4, DATED BANGALORE, 19TH JANUARY 1911.

ORDER THEREON.—Government have perused with much interest the Chief Engineer's Report on the working of the Public Works Department during the year 1909-10.

2. With reference to the remarks in para 6 of the report regarding the Marikanve Reservoir, Government await the result of the investigations set on foot by the Chief Engineer for securing the best results possible under the conditions of the Reservoir.

3. The speedy execution of the work of closing the breach of the Krishnarajakatte anikat and the success that attended the measures taken to conserve the water-supply in the Cauvery during the hot weather are very satisfactory and reflect credit on the officers placed in charge of the works.

4. An account is given in paras 43 to 46 of the report about the progress of the Minor Tanks Restoration Scheme. The amount of work turned out in the Shimoga and Kadur Districts in 1909-10 has, as in the previous year, been regrettably small. In the maidan and semi-malnad parts of these districts there is still a large number of minor tanks requiring attention, and Government desire to impress on the Deputy Commissioners of these districts the need for sustained and energetic action in this direction.

5. It is observed that more than one-half of the grant from the Village School Fund for the construction and repair of village school buildings was left unutilised and was allowed to lapse at the end of the year. Government trust, however, that in the current and future years timely steps will be taken for expending the annual grant in accordance with the sanctioned programme.

C. S. BALASUNDARAM IYER,
Offg. Secy. to Govt., Gen. & Rev. Depts.

To—The Chief Engineer in Mysore.
The Revenue Commissioner in Mysore.
The Deputy Commissioners of Districts.

Exd.—C. R.

ADMINISTRATION REPORT

OF THE

MYSORE PUBLIC WORKS DEPARTMENT

for the year 1909-1910.-

GENERAL.

The final grant for the year under all heads amounted to Rs. 36,72,962 against which an outlay of Rs. 34,98,896 was incurred including a suspense debit of Rs. 11,342 under the Provincial Fund. The net lapse was thus Rs. 1,74,066 or 4·7 per cent.

2. In addition to the above, an outlay of Rs. 2,51,240 was incurred from Contributions. The total expenditure of the Department during 1909-10 amounted to Rs. 37,50,136 against Rs. 37,37,821 in the previous year. This is exclusive of the charges relating to the Cauvery Power Scheme for which a separate report is submitted this year. The difference is small and calls for no remark.

PROVINCIAL FUND.

3. The modified grant under this head stood at Rs. 28,87,091 against which an outlay of Rs. 27,02,036 was incurred including a suspense debit of Rs. 11,342. The lapse of Rs. 1,85,055 was due to the following items or causes :—

(1) Rs. 19,000 in the grant of Rs. 1,00,000 allotted to the Revenue Department for the "Minor Tanks Restoration Scheme." More than half the lapse occurred in the Tumkur District and is attributed to water in the tanks not receding sufficiently early to permit of work being done.

(2) Rs. 7,000 out of Rs. 29,000 granted to Civil Officers for petty repairs, or works in connection with buildings in their charge. This is made up of small lapses in the case of almost every officer.

(3) Rs. 8,000 out of the allotment of Rs. 12,000 made for special repairs to the Madras-Cannanore, the Bangalore-Mangalore and the Periapatna-Siddapur roads in the Mysore Division. This was due to the very late sanction of the estimates for the works.

(4) Rs. 6,000 provided for the purchase of a bungalow in the Mysore City, owing to late receipt of advice of payment from the Civil Officer concerned.

(5) Rs. 20,000 on the reconstruction of the Palace at Mysore, due to the late receipt of the materials for the electric lighting installation ordered from abroad.

(6) Rs. 5,000 on the construction of the marble canopy for His Highness the late Maharaja's statue at Mysore, due to quarrying operations at Makrana being retarded.

(7) Rs. 89,000 under "Establishment." Of this, Rs. 67,895 represents the cost of the general Public Works establishment, employed on the

Cauvery Power Scheme between 1900-01 and 1903-04, which was transferred to the Electrical Department during 1909-10 in pursuance of the new system of commercial accounts recently introduced for the Cauvery Power Scheme; Rs. 5,292 pertains to the debit made to Contribution works at the end of the year; and the balance of about Rs. 16,000 is due to the savings effected on the grant for the year.

(8) Rs. 6,000 under "Tools and Plant," mainly due to savings on the amount assigned for the purpose.

(9) Rs. 25,000 from the sums allotted to works or for items of minor importance. This was due to various causes, such as, savings on estimates and delay in starting works pending settlement of the question of design and site for works, acquisition of properties required, recovery of contributions, etc.

4. The classification of the expenditure of Rs. 27,02,036 referred to above is given in the Appendix.

Original Works.

31. Irrigation Major Works.

5. During the year, 113 works of this class (*i.e.*, works costing more than Rs. 2,500) were in progress; and the expenditure incurred on them was Rs. 3,60,827, *viz.*, Rs. 1,86,019 on channels and Rs. 1,74,808 on tanks. The progress on the more important works is given below.

(i) Channels.

6. *The Marikanave project, Hiriyur Taluk.*—The work as originally estimated was practically completed during the year. Only the final grading of the irrigation channels remained and it could not be done, as the supply of water for cultivation had to be maintained without interruption throughout the year.

	Works	Establishment	Tools and Plant	Total
	Rs.	Rs.	Rs.	Rs.
Estimate	36,84,968	5,64,000	2,18,243	44,67,211
Year's outlay	1,26,188	35,754	2,883	1,64,825
Total outlay	36,07,098	5,63,834	2,07,868	43,78,800

During the year, the tank received a supply of 10,800 units, the average rainfall in the catchment being 22·48 inches. The area irrigated was 7,032 acres and the revenue derived Rs. 27,285.

Even allowing for the fact that the work is yet young and undeveloped, the year's results give small promise that, in its present condition, the project will ever pay a reasonable return on the large capital outlay incurred on it. The annual replenishment in the lake has fallen short of the original expectation. The concentration of irrigation in the area commanded is rendering the land swampy, insanitary and infertile. Investigations and surveys are in progress to consider what further measures are necessary to remedy the evils noticed and to obtain the maximum results possible under the conditions of this reservoir.

7. *Closing the breach in the Krishnarajkatte anikat, Arkalgud Taluk.*—The work was started in March 1910 and satisfactorily completed by the end of May 1910 with large savings on the sanctioned estimate. Water has since been admitted into the channels and irrigation restored to about 5,500 acres of rice land dependent on them.

	Rs
Estimate ...	60,000
Year's outlay ...	43,214
Total outlay ...	43,214

8. *Restoring Kittur anikat and channels, Belur Taluk.*—This work, on which very little remained to be done, was finally completed and the accounts were closed during the year.

	Rs.
Estimate ...	22,051
Year's outlay ...	642
Total outlay ...	21,776

9. *Improving the north channel from Sriramadevar dam, Hassan District.*—The few small items which remained over were carried out and the work completed during the year with large savings on the sanctioned estimat

	Rs.
Estimate	95,531
Year's outlay	3,585
Total outlay	78,877

10. *Improving Devaroy channel, Mysore District.*—Work almost completed. Only the construction of a few sluices remains.

	Rs.
Estimate	28,279
Year's outlay	2,707
Total outlay	28,906

(ii) TANKS

11. *Restoring Ramasagara tank, Bowringpet Taluk.*—A completed work. The claims of the contractor were settled and accounts closed during the year.

	Rs.
Estimate	2,44,489
Year's outlay	2,263
Total outlay	2,42,508

12. *Restoring the slipped portion of the bund of Ramasagara tank, Bowringpet Taluk.*—The slip in the earthen dam of this tank was, after close examination, found to be due to the foundations at the rear of the dam having been entirely made of black soil and the absence of drainage towards the rear toe. The estimate sanctioned for the reconstruction of the dam provides for a rear casing of porous material. Good progress was made during the year on the work.

	Rs.
Estimate	94,217
Year's outlay	37,894
Total outlay	61,179

13. *Restoring the irrigation channels of Ramasagara tank, Bowringpet Taluk.*—Work in progress.

	Rs.
Estimate	28,471
Year's outlay	3,916
Total outlay	23,751

14. *Constructing a new tank at Sowlunga, Honnali Taluk.*—The tank portion of the work was completed. There remain only the irrigation channels which are kept in abeyance for further consideration.

	Rs,
Estimate	1,38,888
Year's outlay	2,570
Total outlay	1,17,869

32. IRRIGATION MINOR WORKS.

15. Works costing Rs. 2,500 and less are classed under this head. The outlay on them amounted to Rs. 28,206, of which Rs. 3,929 were incurred on channels and Rs. 24,277 on tanks.

33 A. CIVIL WORKS.

CIVIL BUILDINGS.

16. The expenditure under this head amounted to Rs. 6,64,873 and its distribution by departmental heads was as follows:—

Forest, Rs. 14,330; Administration, Rs. 84,545; Minor Departments, Rs. 1,749; Education, Rs. 1,83,917; Law and Justice, Rs. 6,311; Jails, Rs. 4,436; Police, Rs. 4,240; Medical, Rs. 61,509; Palace, Rs. 2,58,286; and Miscellaneous, Rs. 45,550.

The following were the more important works in progress during the year.

(i) FOREST.

17. *Constructing a new Sandalkoti at Shimoga.*—Work was started during the year and fair progress made chiefly in the collection of materials.

	Rs.
Estimate	38,500
Year's outlay	14,330
Total outlay	14,330

(ii) ADMINISTRATION.

18. *Providing record racks in the General and Revenue Secretariat of the Public Offices at Bangalore.*—Work practically completed.

	Rs.
Estimate	21,988
Year's outlay	3,063
Total outlay	22,041

(iii) EDUCATIONAL.

19. *Constructing Physics Laboratory and Lecture rooms at the Central College at Bangalore.*—Work was completed with the exception of the tower and some sundry items.

	Rs.
Estimate	1,20,850
Year's outlay	98,417
Total outlay	98,417

20. *Constructing a new High School at Bangalore.*—The estimate for this work has been sanctioned provisionally, pending revision of the design for the frontage. Collection of materials was in hand during the year.

	Rs.
Estimate	1,10,840
Year's outlay	28,422
Total outlay	28,422

21. *Constructing Chamarajendra Technical Institute at Mysore.*—Actual work was started only during the year and carried out up to basement level. The total outlay includes compensation paid during the year 1908-09.

	Rs.
Estimate	2,35,254
Year's outlay	22,237
Total outlay	60,303

(iv) LAW AND JUSTICE.

22. *Constructing quarters for the Special Magistrate at the Kolar Gold Fields.*—Work completed and accounts closed.

	Rs.
Estimate	23,913
Year's outlay	3,038
Total outlay	25,180

(v) MEDICAL.

23. *Constructing Ophthalmic Hospital at Bangalore.*—Work was started during the year. A short length of the fort wall was dismantled and some materials were collected.

	Rs.
Estimate	2,30,830
Year's outlay	36,740
Total outlay	36,740

(vi) PALACE.

24. *The reconstruction of the Palace at Mysore.*—This work is practically completed. Some minor items, such as, the fixing of the brass elephant gate, the completion of two verandahs in front of the study room on the second floor, some decoration, the panelling of north stair case and the fixing of the *Kalasams* remained incomplete towards the close of the year.

	Rs.
Estimate	37,87,000
Year's outlay	2,56,229
Total outlay	37,64,391

25. *Fire protection to the Palace at Mysore.*—Some small items connected with the outside fire main were carried out during the year. A revised estimate is under preparation.

	Rs.
Estimate	1,09,000
Year's outlay	2,057
Total outlay	1,19,798

(vii) MISCELLANEOUS.

26. *Constructing additional quarters for officials at Kallurkatte.*—A completed work. The contractor's claims were settled and accounts closed.

	Rs.
Estimate	20,013
Year's outlay	1,460
Total outlay	19,952

COMMUNICATIONS.

27. The outlay under this head amounted to Rs. 55,609, of which Rs. 38,200 were incurred on roads, Rs. 10,374 on erection of telephone lines, Rs. 6,635 on accommodation for travellers and Rs. 400 on boat-bridges and ferries. The Cuddapa road railway feeder in the Kolar District and the Balehonnur-Magundi-Balur road in the Kadur District were each extended by half a mile on account of certain deviations made thereon. The more important works in hand were the following:—

28. *Extending Avinhalli-Karur road from the Hurli stream to the head of the ghat at Kogaru, Shimoga District.*—Work practically completed. Some small items were in progress.

	Rs.
Estimate	44,218
Year's outlay	1,458
Total outlay	42,357

29. *Opening out a bridle path along the trace of the extension of the Talguppa-Aralgode road from the head of ghat to the Mysore frontier, Shimoga District.*—Work in progress. Eight miles of roadway were formed during the year.

	Rs.
Estimate	26,216
Year's outlay	7,798
Total outlay	8,076

30. *Widening Kotigehar-Kalasa road, Kadur District.*—Work completed.

	Rs.
Estimate	50,623
Year's outlay	6,253
Total outlay	50,280

MISCELLANEOUS PUBLIC IMPROVEMENTS.

31. The outlay under this head amounted to Rs. 1,89,723. Of this, Rs. 37,454 were incurred on improvements of towns, Rs. 74,480 on water supply, Rs. 48,851 on sewerage and drainage and Rs. 28,938 on miscellaneous items. The more important works carried out are noted below.

(i) IMPROVEMENTS OF TOWNS.

32. *The laying out and drainage of the Malleswaram Extension of the Bangalore City.*—Work in progress. A few roads were opened out and some drains constructed during the year.

	Rs.
Estimate	3,97,544
Year's outlay	15,146
Total outlay	2,77,922

33. *The laying out and drainage of the Basavangudi extension of the Bangalore City.*—Work in progress. During the year some roads were widened and metalled and drains constructed in certain blocks.

	Rs.
Estimate	6,57,866
Year's outlay	21,339
Total outlay	4,99,104

34. *The laying out of the new extensions in the Shimoga town.*—The roads in three of the extensions were opened out and further operations stopped in view to revise the proposals and improve the drainage of the old town.

	Rs.
Estimate	66,150
Year's outlay	9,366
Total outlay	15,333

(ii) WATER SUPPLY.

35. *Erecting Jewell Filters at Yeswantapur for the water supply of the City and the Civil and Military Station of Bangalore.*—Work completed and service commenced from November 1909. Accounts will be closed after final payment is made to the Jewell Filter Company.

	Rs.
Estimate	2,29,131
Year's outlay	94,555
Total outlay	2,00,233

36. *Water supply to Shimoga town.*—Work practically completed with the exception of one balancing tank.

	Rs.
Estimate	65,592
Year's outlay	32,651
Total outlay	52,746

37. *Metering house connections in the Mysore City.*—Work in progress. One hundred and twenty meters were fixed during the year, chiefly for bungalows and houses having large gardens.

	Rs.
Estimate	23,926
Year's outlay	9,984
Total outlay	17,306

(iii) SEWERAGE AND DRAINAGE.

38. *Constructing main outfall works for the Bangalore City Drainage.*—Work in progress. The Sunakal tank bund was breached and the tank emptied.

	Rs.
Estimate	77,711
Year's outlay	15,641
Total outlay	46,623

39. *Drainage of the Chamarajendrapet extension of the Bangalore City.*—Work in progress. Some lengths of open drains, pipe sewers and storm water drains were carried out during the year, a few insanitary pits were filled up and one septic tank was constructed.

	Rs.
Estimate	1,51,461
Year's outlay	17,021
Total outlay	1,48,337

(iv) MISCELLANEOUS.

40. *Constructing the memorial works of His Highness the late Maharaja at Calcutta.*—Works completed with the exception of wrought iron fencing.

	Rs.
Estimate	1,34,700
Year's outlay	1,560
Total outlay	1,32,542

41. *Constructing marble stone canopy over the new statue of His Highness the late Maharaja at Mysore.*—The structure was brought up to the level of platform to receive the statue and columns of the canopy.

	Rs.
Estimate	75,200
Year's outlay	4,130
Total outlay	10,972

33 B. MILITARY WORKS.

42. Under this head, an outlay of Rs, 8,272 was incurred, chiefly in adding to the accommodation for troops. No works of special importance were in hand.

Repairs.

32. IRRIGATION MINOR WORKS.

MINOR TANKS RESTORATION SCHEME.

43. Under this head, an expenditure of Rs. 80, 559 was incurred on stone and masonry work executed on the minor tanks (*i.e.*, tanks yielding a revenue of Rs. 300 or less) under the supervision of Revenue Officers, against the sanctioned grant of one lakh. The result of the operations during the year in the several districts, including the earth-work carried out by raiyats under the scheme, is abstracted from the reports received from the Deputy Commissioners and tabulated below.

District	Earth-work carried out by, or at the cost of, raiyats			Stone and masonry work carried out at Government cost			Cost of special establishment employed under the scheme
	Number of tanks dealt with	Quantity of work done	Value of work done	Grant	Outlay	Number of tanks completed	
	No.	Cyds.	Rs.	Rs.	Rs.	No.	Rs.
Bangalore	86	35,613	4,641	11,396	11,097	38	5,541
Kolar	226	251,056	31,382	29,209	30,041	57	4,765
Tumkur	115	117,784	14,723	27,353	16,694	52	4,422
Chitaldrug	129	79,549	10,270	3,808	4,159	10	3,993
Mysore	122	115,588	15,086	10,531	9,612	22	6,351
Hassan	187	83,968	10,603	8,191	3,658	14	4,188
Shimoga	123	43,984	6,146	4,545	2,002	7	3,701
Kadur	21	14,741	2,073	4,967	3,296	9	2,124
Total ...	1,009	742,283	94,924	1,00,000	80,559	209	35,085

44. The total value of both earth-work and stone and masonry work carried out during the year aggregated Rs. 1,75,483. The cost of establishment employed for this specific purpose (*viz.*, Rs. 35,085) works out to 20 per cent on the total value of work done. If the raiyats' portion of the work, which is mostly carried out under the supervision of the Patels and other Revenue officials, be excluded, the percentage on the Government portion of work carried out by the special establishment referred to would be 43·6.

45. The Kolar District maintained its usual prestige by topping the list and the progress made on both raiyats' and Government share of work was very satisfactory. The work turned out in the Tumkur District was also good, though a large portion of the grant for stone and masonry work was allowed to lapse. The progress in the Mysore and Bangalore Districts may, on the whole, be considered fair. In the Chitaldrug District the normal progress has been maintained. There has been a decline in the work done in the Hassan District, both as regards raiyats' and Government share of work, and this is attributed chiefly to most of the tanks

being full on account of copious rainfall. There was no improvement in the Shimoga and Kadur Districts where the scheme has all along been backward.

46. The question of the revision and confirmation of the Marahmat establishment employed on the scheme is again urged by Deputy Commissioners. The Revenue Commissioner's report on the subject has been received and the matter will now be submitted to Government.

33 A. Civil Works.

CIVIL BUILDINGS.

47. The expenditure under this head amounted to Rs. 1,27,020 including the sum of Rs. 17,083 spent by the Civil Officers on petty repairs to buildings in their charge. The classification of the above outlay by main heads was as follows:—

Forest, Rs. 1,123; Administration, Rs. 44,089; Minor Departments, Rs. 4,983; Educational, Rs. 6,505; Religious, Rs. 1,166; Law and Justice, Rs. 1,427; Jails, Rs. 3,875; Police, Rs, 6,769; Medical, Rs. 15,654; and Miscellaneous, Rs. 41,429.

48. There were no works of importance in hand under this head during the year. Buildings of archæological interest were generally maintained in good order.

COMMUNICATIONS.

49. The outlay under this head amounted to Rs. 4,51,869, of which Rs 4,35,229 were incurred on the annual maintenance and special repairs of the Provincial main and branch roads, Rs. 344 on repairs to boat-bridges and ferries, Rs. 12,814 on repairs of 1st and 2nd class Travellers' Bungalows, and Rs. 3,482 on the maintenance of Telephone lines in the Bangalore and the Mysore Cities.

50. During the year, the 16½ miles of Municipal roads in the Bangalore City, which were hitherto maintained from a State grant of Rs. 6,600, were transferred to the Municipality, the grant having been ordered to be discontinued in Government Order No. 12635-44—Ml. 371-08-2, dated the 16th June 1909; and 14½ miles of roads, as per details in the margin, were added to the list of roads in the Shimoga District. The total length of Provincial roads maintained during the year was 1,967 miles, of which 1,788 miles were metalled. The average cost of maintaining these roads was Rs. 221 per mile. Every effort was made to maintain the roads in efficient condition so far as funds permitted. Owing to increase of traffic of late, the trunk road leading from Mysore to Merkara showed signs of deterioration and special repairs were found to be necessary. For this purpose, special estimates aggregating Rs. 35,500 were sanctioned and collection of materials started during the year. Other important roads, which were specially dealt with, were the Mysore-Manantoddy road in the Mysore District, the Bangalore-Honnavar road in the Shimoga District and the Kadur-Mangalore road in the Kadur District. Work on these was completed during the year. It is proposed to increase the mileage allotments of some of the important lines of communication from the next official year.

	Miles	
1. Shimoga-Mangalore road ...	½	Actual length in excess of that hitherto maintained.
2. Talguppa-Aralgode road ...	12	Bridle path from Heddansi to ghat head, newly opened.
3. Gersoppa Falls road ...	2	Transferred from District Funds.
	14½	

MISCELLANEOUS PUBLIC IMPROVEMENTS.

51. The expenditure under this head amounted to Rs. 1,75,615, *viz.*, Rs. 1,72,433 under maintenance of water supply works, Rs. 1,863 under markets and Rs. 1,319 under miscellaneous. The bulk of this expenditure was incurred on the following two works.

52. *Maintenance of the Chamarajendra water works of the Bangalore City.*—The total charges on this account amounted to Rs. 92,759, inclusive of an outlay of Rs. 15,068 incurred on the maintenance of the Jewell Filter installation which

commenced operation only from November 1909. The charges debitable to the Civil and Military Station amounted to Rs. 10,807.

The engines, pumps, pipe-lines, taps and fountains were maintained in efficient order. During the year, gun metal plungers and thimbles for No. II engine and spare parts for renewal of other machinery were purchased.

371,833,000 gallons of water were pumped during the year. Of this, 18,363,650 gallons were supplied to the Civil and Military Station at 10 annas per 1,000 gallons, on the requisition from the Assistant Commanding Royal Engineer, Military Works.

The actual quantity supplied to the City was therefore 353,469,350 gallons and it represents an average consumption of 968,409 gallons per day. The average cost of pumping, etc., came to nearly 4 annas per 1,000 gallons.

The Chamarajendra Reservoir surplussed during August 1909, the total rain fall gauged in its catchment during the year being about 30·22 inches. The quality of the filtered water, as per reports received from the Government Bacteriologist was satisfactory.

The number of house connections given in the City as well as in the Extensions amounted to 734 at the end of June 1910, while the bills issued on account of excess water consumption aggregated Rs. 6,767 or Rs. 1,125 more than that of the previous year. A special Meter Inspector for the efficient checking of the meters was appointed during the year.

53. *Maintenance of the Kolar Gold Fields water works.*—The expenditure on this account amounted to Rs. 87,361, or Rs. 3,694 more than that of the previous year. The quantity of water pumped was 366,619,724 gallons. Of this quantity, 364,652,000 gallons were supplied to the various Mines under the management of Messrs. John Taylor & Sons and 1,967,724 gallons to other consumers. The demand for the year on account of the above supply was Rs. 2,96,117 ; and setting off against this the actual working expenses (Rs. 87,361), the net revenue earned by the scheme was Rs. 2,08,756 which is less than that of the previous year by Rs. 57,418. This is due to reduction in the rate for the water supplied to the Mines from 15 to 10 annas per 1,000 gallons with effect from 3rd February 1910, according to the agreement with the mining companies.

The cost of pumping and delivering 1,000 gallons at the Gold Fields works out to nearly 3 annas and 10 pies. The rain-fall during the year in the catchment area of Bethamangala tank was only 23·56 inches and the tank discharged for 11 days only in October and November 1909. The machinery and plant were maintained in efficient condition.

33 B. Military Works.

54. An expenditure of Rs. 5,412 was incurred under this head, *viz.*, Rs. 3,934 by the Military Department on petty repairs of Military buildings, etc., and Rs. 1,478 by the Public Works Department, chiefly on the repairs of the old Silledar Lines and Military Stores at Bangalore.

LOCAL FUNDS GENERAL.

55. The modified grant under this head was Rs. 33,630 against which an outlay of Rs. 30,057 was incurred, *viz.*, Rs. 25,554 under Works, Rs. 4,378 under Establishment and Rs. 125 under Tools and Plant. The difference, Rs. 3,573, was chiefly due to small lapses on the grants for several works and particularly on that for the Tungabhadra bridge at Honnali, which was sanctioned only in June 1910.

56. Of the outlay under works, Rs. 2,850 were incurred on the construction of a building for the Industrial School at Channapatna, and the balance, Rs. 22,704, on the opening and improvement of roads and construction of bridges. The more important works in progress were the following.

57. *Opening the last section of Punjur-Bedaguli-Hondrabal-Chamrajnagar road, Mysore District.*—This work was started during the year and some materials were collected.

	Rs.
Estimate	23,976
Year's outlay	1,864
Total outlay	1,864

58. *Improving the Bisleghat on Sukravarasante-Subramanya road, Hassan District.*—This work was completed during the year with savings on the sanctioned estimate.

	Rs.
Estimate	1,17,520
Year's outlay	13,179
Total outlay	1,09,167

59. *Constructing bridge across the Tungabhadra river at Honnali on Shimoga-Harihar road, Shimoga District.*—This work was started during the year and arrrangements made for collection of materials.

	Rs.
Estimate	2,64,693
Year's outlay	151
Total outlay	151

DISTRICT FUNDS.

60. The total modified grant under this head amounted to Rs. 3,65,433 against which an expenditure of Rs. 3,67,323 was incurred, resulting in an excess outlay of Rs. 1,890. The grant and outlay under the several Districts or Local Fund Circles are given below :—

District or Local Fund Circle	Grant	Outlay	Difference
	Rs.	Rs.	Rs.
Bangalore	47,498	49,154	+ 1,656
Kolar, including Gold Fields	44,125	46,972	+ 2,847
Tumkur	44,932	44,859	— 73
Chitaldrug	24,515	25,462	+ 947
Mysore	75,100	71,151	— 3,949
Hassan	47,892	49,882	+ 1,990
Shimoga	53,363	52,439	— 924
Kadur	28,008	27,404	— 604
Total ...	3,65,433	3,67,323	+ 1,890

61. The excesses in the Hassan, Kolar and Chitaldrug Districts have been authorized in the marginally noted Government Orders to be admitted in the accounts. The excess in the Bangalore District has been reported in this office No. 8147, dated the 20th September 1910. The lapse in the Mysore District was due to the tunnel works on the French Rocks Station-Nelligere, the Narsipur-Chamrajnagar and the Tagadur roads, not having been started either for want of sanction to estimates or on account of late sanction. The lapses in the Shimoga, Kadur and Tumkur Districts were small and call for no special remark. The classification of the outlay under this fund by service heads is given in the Appendix.

(1) Government Order No. 371-4—L.B. 359-09-2, dated the 15th July 1910.
(2) Government Order No. 584-7—L.B. 1-10-2, dated the 20th July 1910.
(3) Government Order No. 836-9—L.B. 213-09-7, dated the 25th July 1910.

62. *Original Works*—The outlay under this head was Rs. 32,970, *viz.*, Rs. 32,239 under "Communications" and Rs. 731 under "Miscellaneous Public Improvements." Of the outlay under "Communications," Rs. 27,206 were incurred on improvement of bridges and roads, Rs. 1,069 on ferries and Rs 3,964 on accommodation for travellers. The Channapatna-Halagur road in the Bangalore District was extended by one mile.

63. The expenditure under "Miscellaneous Public Improvements" was incurred on the drainage and water supply of Robertsonpet town in the Kolar Gold Fields.

64. The only important work in hand was the construction of the Sorab-Anavatti road in the Shimoga District estimated to cost Rs. 22,635, against which an outlay of Rs. 15,608 has been incurred to end of June 1910. The road has been opened to the full length of 10½ miles and tunnels only remain to be constructed.

65. *Repairs.*—The expenditure under this head amounted to Rs. 2,79,216, *viz.*, Rs. 2,72,707 under "Communications" and Rs. 6,509 under "Miscellaneous Public Improvements."

66. Of the outlay under the former service head, (1) Rs. 2,63,728 were incurred on the annual maintenance and special repairs of District roads, (2) Rs. 8,523 on the maintenance of 3rd class Travellers' Bungalows, Inspection Lodges and Musafirkhanas and (3) Rs. 456 on repairs to ferries. The total length of roads of this class maintained by the Public Works Department was 3,502 miles, of which 1,064 miles were metalled. During the year, the Chellakere-Pavagada road in Tumkur District was re-measured and the 2 miles of the Gersoppa Falls road in Shimoga District were transferred to Provincial Funds for maintenance. The average cost of maintenance was Rs. 75 per mile as against Rs. 77 in the previous year. The roads are reported to have been maintained in a fairly traffic-able condition.

67. The expenditure of Rs. 6,509 under "Miscellaneous Public Improvements" was incurred on the maintenance of water supply to the town of Robertsonpet and repairing the Devikere tank on Chamundi Hill.

MUNICIPAL FUNDS.

68. The grants sanctioned under these funds from time to time amounted to Rs. 21,100 against which an outlay of Rs. 86,233 was incurred, resulting in an excess of Rs. 65,133. This excess includes a sum of Rs. 5,059 spent on improving the Santehonda at Chitaldrug and sinking a draw well and improving water supply at Arsikere, authorised to be admitted in the accounts in the marginally noted Government Orders; also Rs. 43,519, the charge debited by the Electrical Department on account of power supplied to the pumping engines of the Vanivilas Water Works during the year under report. This debit has been provisionally accepted pending definite orders of Government as to the incidence of the charge, as intimated in General and Revenue Secretary's letter No. 1635—Ml. 421-07, dated the 17th August 1910. The orders of Government on the application made for the transfer of funds to the extent of Rs. 7,633 for the marginally noted works are still awaited, while the expenditure of Rs. 6,242 incurred on the electrification of the pumping plant at Belagola could not be covered by a special grant, pending the submission of, and sanction to, the revised estimate called for from the Executive Engineer. The sanctioned provision under Establishment had also to be exceeded on this account.

Government Order No. 6986-6—Ml. 84-09-13, dated the 11th February 1910.
Government Order No. 634-7—Ml. 95-09-5, dated the 21st July 1910.
Government Order No. 638-41 Ml. 95-09-6, dated the 21st July 1910.

1. Laying out new extension between Chamarajendrapet and Basavangudi, Bangalore City.
2. Working charges of low lift pump at Belagola.
3. Maintenance of water works of Harihar town.

69. The classification of the outlay of Rs. 86,233 is given in the Appendix. The following were the more important works in hand.

70. *The laying out of the new extension between Chamarajendrapet and Basavangudi in the Bangalore City.*—This work, which had been stopped pending sanction to the revised estimate, was re-started in May 1910; hence the progress was small.

	Rs.
Estimate ...	61,621
Year's outlay ...	2,548
Total outlay ...	47,985

71. *Electrifying the pumping plant of the Vanivilas water works of the Mysore City at Belagola.*—This work has been practically completed and the revised estimate providing for the excess will be sent up to Government shortly.

	Rs.
Estimate ...	50,000
Year's outlay ...	6,242
Total outlay ...	54,252

72. *Maintenance of the Vanivilas water works of the Mysore City.*—The charges on this account amounted to Rs. 60,534 as noted in the margin. The three induction motors installed at Belagola worked for 15 hours a day. The average daily consumption in the City was 876,000 gallons. The quantity of electric power supplied during the year was 696,310 units, and the charge therefor amounted to Rs. 43,519 at the rate of one anna per unit, as fixed by Government in G. R. S. No. 1635—Ml. 421-07, dated the 17th August 1910.

	Rs.
(1) Ordinary maintenance	15,383
(2) Working charges of the low lift pump provided for drawing water from the Virjanadi channel during the time the Devaroy channel had been closed for periodical repairs	1,610
(3) Working charges of the steam plant at Belagola...	22
(4) Charges for supply of electric power	43,519
	60,534

The filters were worked under an improved system, each filter being cleaned and replenished with fresh sand once in 25 days. The pure water tank was cement-plastered and minor repairs and alterations to pipe lines were carried out. Thirty two new house connections were given during the year, which brought the total number of house connections in the Mysore City on the 30th June 1910 to 601.

VILLAGE SCHOOL FUND.

73. The total grants sanctioned from this fund amounted to Rs. 44,950 against which an outlay of Rs. 21,009 was incurred. The lapse was therefore Rs. 23,941 including the sum of Rs. 5,540 resigned late in June 1910. The lapse was due partly to the late transfer of funds which was not done till January 1910 and partly to the delay in the settlement of designs or sites for new buildings and to other minor causes. The classification of the outlay by service heads is given in the Appendix. The works carried out consisted of the construction and repair of small school buildings in the different parts of the State.

IRRIGATION CESS FUND.

74. The grant under this head was fixed at Rs. 2,30,000 and the recorded outlay against it amounted to Rs. 2,09,477. The lapse, Rs. 20,523, is made up of small savings which occurred on the numerous works in hand and also due to water in tanks not admitting of work being proceeded with, late sanction of estimates, etc.

75. The classification of the outlay by service heads is given in the Appendix. The expenditure under "Work" was Rs. 1,77,522, of which Rs. 94,048 were incurred on the repair and maintenance of major tanks and Rs. 83,474 on the annual maintenance and special repairs of the river channels in the Mysore and Hassan Districts.

Ten irrigation works sustained damage during the year and they were promptly attended to.

76. *Channel Conservancy.*—The total length of the river channels maintained during the year was 942 miles, irrigating 114,858 acres of wet and garden lands from which a revenue of Rs. 7,01,397 was realised during the year. The cost of the special conservancy establishment employed for the supervision of these channels was Rs. 14,195. This establishment attended, as usual, to the annual maintenance of the channels under the Public Works Department and to the distribution of water during the irrigation season under the Revenue Department.

77. At the commencement of the last hot weather, the discharge in the Cauvery, the Kabani and the Hemavati rivers ran low owing to the partial failure of the North-East monsoon. With a view to maintain the requisite minimum supply to the Cauvery Power Station at Sivasamudram and to regulate that required for sugarcane and other crops under the different channels during the hot weather, a special Public Works Division was formed as in the previous year, and a sum of Rs. 21,680 was spent on raising temporarily the crests of selected *anikats* and the waste weirs of a few tanks in the valley. The result of the operations was a complete success as they enabled the water supply to the Power Station to be

maintained without interruption and ensured a fairly sufficient supply to the standing crops. The cost of the work carried out, *viz.*, Rs. 21,680, was charged to the Cauvery Power Scheme Budget.

PALACE FUND.

78. The modified grant under this head stood at Rs. 90,758 against which an outlay of Rs. 82,761 was incurred. The lapse, Rs. 7,997, was due to the electrical fittings ordered for the Bangalore Palace and the contractors' bills for lighting certain Palace buildings at Mysore not having been received in time for payment, and to certain savings amounting to Rs. 2,800 effected on the grants for the electric lighting installation at the Fern Hill Palace and the annual repairs thereto.

79. The classification of the outlay by service heads is given in the Appendix. A sum of Rs. 72,829 was expended under original works, and the balance, Rs. 9,932, on the annual repairs to the Fern Hill Palace at Ootacamund and the maintenance of the Palace kitchen garden and Polo ground at Bangalore. The principal works in hand during the year were the following.

80. *Improvements to the Palace at Bangalore.*—In progress. The items yet remaining to be carried out are—(1) improvements to drainage, (2) improvements to the cottage and (3) provision of water closets.

	Rs.
Estimate ...	50,341
Year's outlay ...	30,572
Total outlay ...	30,572

81. *Electric light installation at the Palace at Bangalore.*—In progress. The lighting of the Durbar Hall and the compound remain to be completed.

	Rs.
Estimate ...	41,540
Year's outlay ...	8,158
Total outlay ...	34,455

82. *Electric light installation at the Fern Hill Palace at Ootacamund.*—Work completed. Certain items have been put off to be dealt with separately.

	Rs.
Estimate	28,800
Year's outlay ...	2,145
Total outlay ...	25,600

CONTRIBUTIONS.

83. The expenditure incurred under this head relates to the works carried out by the Public Works Department from sources other than those specified in the Public Works Budget. The total charges amounted to Rs. 2,51,240 and its classification by service heads is given in the Appendix. The outlay on works alone amounted to Rs. 2,45,702 as detailed below :—

Irrigation, Rs. 39,734; Civil Buildings, Rs. 41,396; Communications, Rs. 55; Miscellaneous Public Improvements, Rs. 1,64,141; and Military Works, Rs. 376.

84. The expenditure under "Irrigation" was incurred from the money contributions given by the raiyats towards the restoration and repairs of tanks.

85. Under "Civil Buildings," the most important work in hand was the construction of the Second Maharaja Kumari's Mansion at Mysore, estimated at Rs. 3,82,648. This work was practically completed; only the provision of a glass roof to the dome of the main building and the plastering of certain rooms in the Bidadi remain to be done. The year's and total outlay were Rs. 22,323 and 3,40,567 respectively. Besides the above, the construction and repairs to several Muzrai buildings in the State at a cost of Rs. 9,251 were carried out. The expenditure incurred under this head includes also the amount spent during the year on the annual maintenance of Protestant Cemeteries in the State.

86. The expenditure under "Miscellaneous Public Improvements" includes a sum of Rs. 20,188 paid by the Government of India towards compensation for lands taken up for the improvement of the catchment area of the Chamarajendra reservoir and Rs. 80,562 on account of the moiety payable by them towards the cost of the Jewell Filter installation in connection with the Bangalore water supply. It also includes expenditure incurred from deposits paid by private parties on

account of water service connections in the Bangalore and Mysore Cities and on the loan sanctioned to the Shimoga Town Municipality for its water supply, etc.

87. The small outlay under "Military" was incurred on the improvement and repairs to the Sergeant Instructors' Quarters at Saklespur and Chikmagalur.

ESTABLISHMENT.

88. The charges under this head amounted to Rs. 5,96,837 against the modified grant of Rs. 6,83,000, resulting in a lapse of Rs. 86,163 which was due partly to the transfer of a sum of Rs. 67,895 to the Electrical Department and partly to savings effected on the Budget grant—*vide* para 3 *ante*. Of the expenditure of Rs. 5,96,837 referred to above, Rs. 86,121 were incurred under "Direction," Rs. 4,83,408 under "Construction" and Rs. 27,308 under "Accounts." The distribution of the charges to the several funds in accordance with the standing orders is given in the Appendix, from which it will be seen that the percentage of establishment charges to outlay on works under "Provincial Fund" is 23·1 while that on total outlay under all funds is 19·3, or 21·5 without taking into account the debit of Rs. 67,895 to the Electrical Department. This is considered very satisfactory.

TOOLS AND PLANT.

89. The expenditure under this head amounted to Rs. 48,094, and its classification by sub-heads is as follows:—

Surveying and Mathematical Instruments, Rs. 2,075; Machinery, Rs. 19,311; Tools and Plant, Rs. 14,430; Office Furniture, Rs. 585; Camp Equipage, Rs. 429; and Repairs and Carriage, Rs. 11,264.

90. The expenditure has been distributed to the several funds as shown in the Appendix.

91. In the General Workshop attached to the Water Supply and Stores Division at Bangalore, it is reported that about Rs. 20,000 worth of work was turned out during the year. Two portable engines were overhauled and necessary repairs to the engines, pumps, taps and fountains of the several water supply installations attended to. The question of extending the Workshop and increasing its scope and usefulness is under consideration.

GENERAL REMARKS.

92. The offices of the Superintending Engineers of the Eastern and Western Circles which were in existence from January 1897, were ordered to be abolished from 1st November 1909 on the recommendation of the Retrenchment Committee. On a representation that the abolition of the Circles would materially affect the efficiency of the administration, Government were pleased to sanction, as a tentative measure for one year, the reconstitution of a Public Works Circle of Superintendence under the designation of "Northern Circle," comprising the Districts of Kolar, Tumkur, Chitaldrug, Shimoga, Kadur and Hassan, with effect from the 12th May 1910.

93. As in the previous year, a special Channels Conservancy Division was also formed as a temporary measure from the 28th January 1910, for the conservation and regulation of the summer supply in the Cauvery, the Kabani and the Hemavati rivers, in the interests of irrigation in the valley and of the Cauvery Power Scheme. This Division has since been converted into the "Cauvery Reservoir Survey Division" with a view to mature a project for a storage reservoir in the Cauvery river valley.

94. The following are the principal changes in the Engineering Establishment during the year.

After the lamented death of Captain N. B. E. Dawes, R.E., which occurred on the 30th July 1909, Mr. Y. Srinivasa Rao, B.A., Superintending Engineer, was appointed to officiate as Chief Engineer and Secretary to Government, Public Works

Department and Railways, with effect from 2nd August 1909, pending the appointment of a permanent officer.

Mr. M. Visvesvaraya, B.A., L.C.E., M.I.C.E., who was appointed Chief Engineer and Secretary to Government, Public Works Department and Railways, assumed charge of the office on the 15th November 1909.

Mr. Y. Srinivasa Rao, B.A., was, on relief, appointed Deputy Chief Engineer and Under Secretary to Government, Public Works Department and Railways, with effect from 15th November 1909.

Mr. D. Sitarama Rao, Executive Engineer, 1st class, was appointed Superintending Engineer *sub pro tem* and placed in charge of the Northern Circle with effect from 12th May 1910.

Mr. K. Krishna Iyengar, B.A., L.C.E., Executive Engineer, was transferred to the Central Office as Special Assistant to the Chief Engineer from 3rd January 1910.

Mr. K. Prahlada Rao, Executive Engineer, retired from the service on the 24th April 1910.

95. The operations of the Department have gone on smoothly and the establishment has continued to work to the satisfaction of Government. The officers who were entrusted with special works acquitted themselves very creditably. These were Mr. B. Subba Rao and his Assistants who had charge of the Channels Conservancy operations on the Cauvery river; and Mr. V. Aiyasawmy Iyer, Executive Engineer, and Mr. T. G. Lakshmana Rao, Assistant Engineer, who were employed in closing the breach in the Krishnarajkatte anikat. Mr. V. Rangasawmy Iyengar, Executive Engineer, also deserves special mention for the successful completion, th local labour, of the Jewell Filter installation in connection with the water pply to the Bangalore City and the Civil and Military Station.

BANGALORE,
29th October 1910.

M. VISVESVARAYA,
Chief Engineer of Mysore,
Public Works Department.

'ublic Works Department during the year 1909-10.

hment	Tools and Plant		Total Final Heads		Suspense	Grand Total Expen-diture	Percentage which the charges for establishment bear to the expenditure on works and repairs	Remarks
Outlay	Grant	Outlay	Grant	Outlay				
9	10	11	12	13	14	15	16	17
Rs. 1,03,737	Rs. 7,950	Rs. 3,087	Rs. 4,99,080	Rs. 4,67,651	Rs. —2,041	Rs. 4,65,610	28·7	
45,007	3,256	14	2,10,286	1,53,786	—798	1,52,988	41·4	
3,47,374	39,219	42,053	21,56,286	20,54,136	14,181	20,68,317	20·9	
1,429	424	8	21,439	15,121	.....	15,121	10·4	
4,97,547	50,849	45,162	28,87,091	26,90,694	11,342	27,02,036	23·1	
4,378	142	125	33,630	30,057	.....	30,057	17·1	
53,605	1,508	1,532	3,65,433	3,67,323	.....	3,67,323	17·1	
1,832	4	52	21,100	86,233	.....	86,233	2·2	
3,116	131	89	44,950	21,009	.....	21,009	17·5	
11,859	303	339	79,685	79,948	.....	79,948	17·5	
19,208	572	549	1,50,315	1,29,529	.....	1,29,529	17·5	
31,067	875	888	2,30,000	2,09,477	.....	2,09,477	17·5	
.....	.....	.....	90,758	82,761	.....	82,761	.....	
93,998	2,660	2,686	7,85,871	7,96,860	.....	7,96,860	13·4	
63	.....	3	.....	5,875	.....	5,875	1·1	
32	.....	1	.....	33,958	.....	33,958	0·1	
5,162	.....	240	.....	2,10,994	.....	2,10,994	2·5	
35	.....	2	.....	413	.....	413	9·3	
5,292	.....	246	.....	2,51,240	.....	2,51,240	2·2	
5,96,837	53,509	48,094	36,72,962	37,38,794	11,342	37,50,136	19·3	

APPENDIX.

Statement showing the Expenditure in the General Branch of the

Fund, Major Finance, and Service Heads	Original Works		Repairs		Total Works and Repairs		Esta
	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provincial—							
31. Irrigation Major Works	3,60,500	3,60,827	.....	.....	3,60,500	3,60,827	1,30,62
32. Irrigation Minor Works	46,000	28,206	1,00,000	80,559	1,46,000	1,08,765	61,09
33A. Civil Works—							
Civil Buildings	7,08,842	6,64,873	1,17,623	1,27,020	8,26,465	7,91,893	
Communications	66,882	55,609	4,58,500	4,51,869	5,25,382	5,07,478	
Miscellaneous Public Improvements	1,96,500	1,89,723	1,76,000	1,75,615	3,72,500	3,65,338	
Total Civil Works ...	9,72,224	9,10,205	7,52,123	7,54,504	17,24,347	16,64,709	3,92,72(
33B. Military Works	12,000	8,272	7,000	5,412	19,000	13,684	2,01(
Total Provincial ...	13,90,724	13,07,510	8,59,123	8,40,475	22,49,847	21,47,985	5,86,39(
Local—							
Local Funds General—							
33A. Civil Works—							
Civil Buildings	3,000	2,850	.....	.....	3,000	2,850	
Communications	25,500	22,704	.....	.....	25,500	22,704	
Miscellaneous Public Improvements	.....	.....	.....	.....	.....	.....	
Total Local Funds General ...	28,500	25,554	.....	.....	28,500	25,554	4,988
District Funds—							
33A. Civil Works—							
Civil Buildings	.....	.....	.....	.....	.....	.....	
Communications	38,801	32,239	2,70,601	2,72,707	3,09,402	3,04,946	
Miscellaneous Public Improvements	1,728	731	.....	6,509	1,728	7,240	
Total District Funds ...	40,529	32,970	2,70,601	2,79,216	3,11,130	3,12,186	52,795
Municipal Funds—							
33A. Civil Works—							
Civil Buildings	.....	.....	11	.....	11	.....	
Communications	.....	.....	.....	.....	.....	.....	
Miscellaneous Public Improvements	5,052	18,860	15,944	65,489	20,996	84,349	
Total Municipal Funds ...	5,052	18,860	15,955	65,489	21,007	84,349	89
Village School Fund—							
33A. Civil Works—							
Civil Buildings	38,477	17,639	1,734	165	40,211	17,804	
Communications	.....	.....	.....	.....	.....	.....	
Miscellaneous Public Improvements	.....	.....	.....	.....	.....	.....	
Total Village School Fund ...	38,477	17,639	1,734	165	40,211	17,804	4,603
Irrigation Cess Fund—							
31. Irrigation Major Works	.....	.....	67,559	67,750	67,559	67,750	11,82
32. Irrigation Minor Works	.....	.....	1,27,441	1,09,772	1,27,441	1,09,772	22,30
Total Irrigation Cess Fund ...	.....	.....	1,95,000	1,77,522	1,95,000	1,77,522	34,12
Palace Fund—							
33A. Civil Works—							
Civil Buildings	78,460	71,792	12,000	9,932	90,460	81,724	
Communications	.....	.....	.....	.....	.....	.....	
Miscellaneous Public Improvements	298	1,037	.....	.....	298	1,037	
Total Palace Fund ...	78,758	72,829	12,000	9,932	90,758	82,761	.....
Total Local ...	1,91,316	1,67,852	4,95,290	5,32,324	6,86,606	7,00,176	96,60
Contributions—							
31. Irrigation Major Works	.....	3,793	.....	2,016	.....	5,809	.....
32. Irrigation Minor Works	.....	1,984	.....	31,941	.....	33,925	.....
33 A. Civil Works—							
Civil Buildings	.....	28,664	.....	12,732	.....	41,396	
Communications	.....	731	.....	—676	.....	55	
Miscellaneous Public Improvements	.....	1,53,487	.....	10,654	.....	1,64,141	
Total Civil Works ...	.....	1,82,882	.....	22,710	.....	2,05,592	.....
33B. Military Works	.....	163	.....	213	.....	376	.....
Total Contributions ...	.....	1,88,822	.....	56,880	.....	2,45,702	.....
Grand Total ...	15,82,040	16,64,184	13,54,413	14,29,679	29,36,453	30,93,863	6,83,